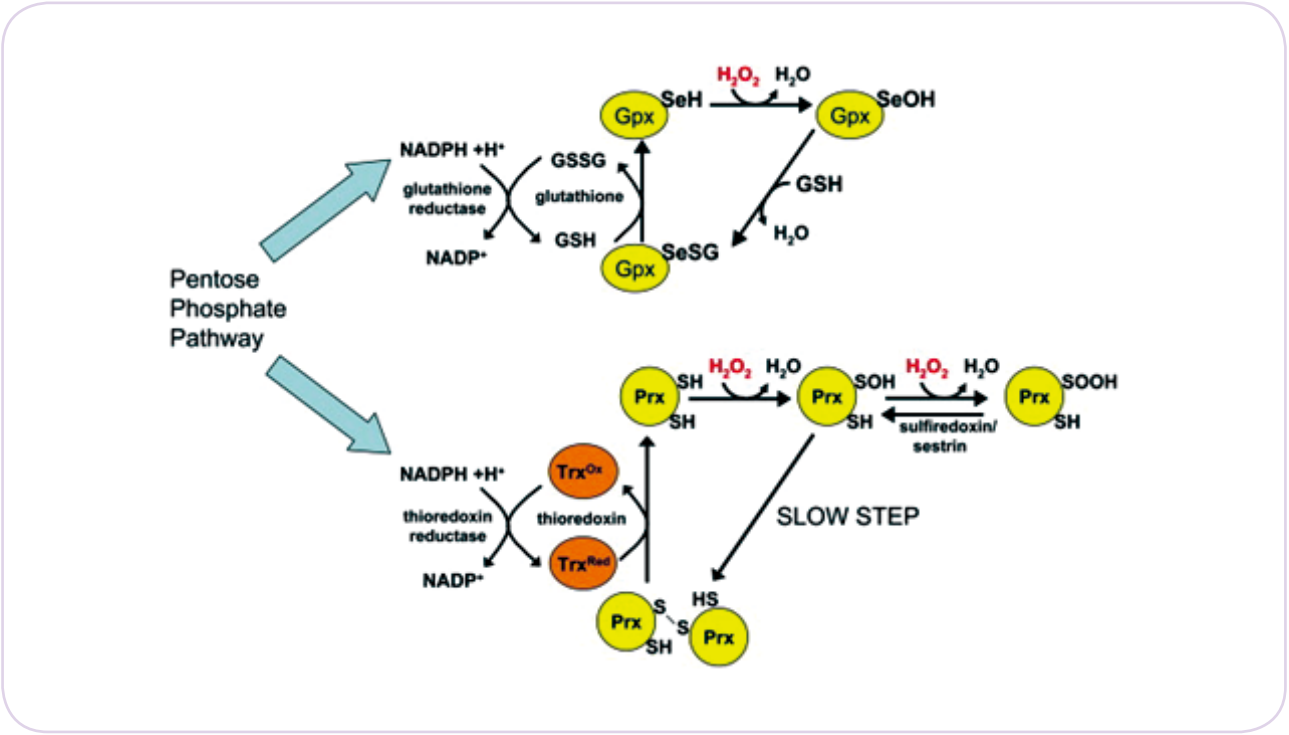
Your Antibody Partner

AbFRONTIER

Redox Oxydative Species(ROS) Signaling

Reactive oxygen species (ROS) include oxygen ions, free radicals, and peroxides, both inorganic and organic. They are highly reactive due to the presence of unpaired electrons and can be very harmful to cell components. Damaged DNA, enzymes, fatty acids, and cofactors cause destruction of the cell's normal functions. ROSs form as a natural byproduct of the normal metabolism of oxygen and have important roles in cell signaling. However, during times of environmental stress, ROS levels can increase dramatically, which can result in significant damage to cell structures. Reactive oxygen species are implicated in cellular activity to a variety of inflammatory responses including cardiovascular disease.

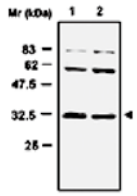
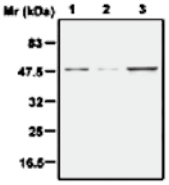
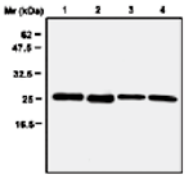
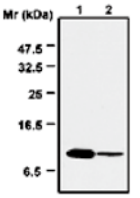
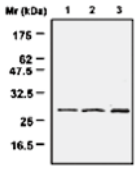
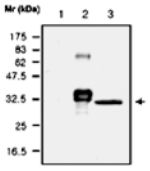
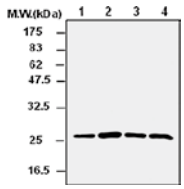
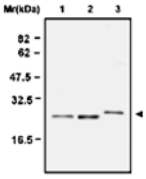
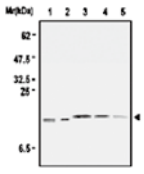
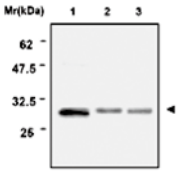
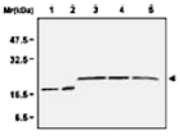
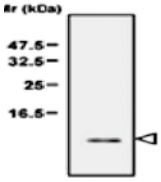
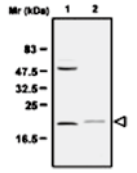
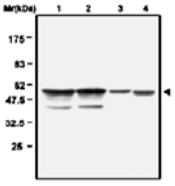
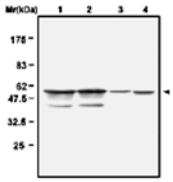
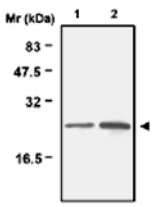
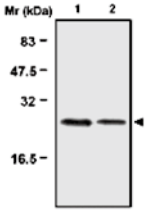
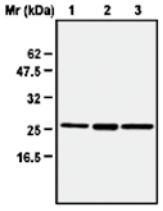
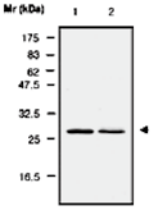
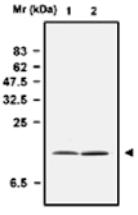
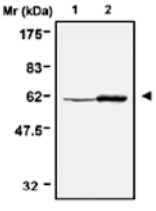


Hydrogen peroxide (H_2O_2) removing pathways by Gpx (Glutathione peroxidase) and Prx (Peroxiredoxin).

Abfrontier provides many antibodies related to ROS signaling including Prx series, Gpx series, SOD series etc.

Researchers studying redox biology, oxidative stress, aging, cardiovascular diseases, neuro-degenerative diseases, and various cancer may need ROS signaling antibodies.

Best Selling Antibodies

Cat. # : LF-MA0042 anti-SOD4 (3A1)		Cat. # : LF-MA0033 anti-Ferredoxin Reductase (6C2)		Cat. # : LF-MA0044 anti-Peroxiredoxin 3 (12B)	
					
Cat. # : LF-MA0055 anti-Thioredoxin 1 (3A1)		Cat. # : LF-MA0084 anti-MSRA (5B5)		Cat. # : LF-MA0121 anti-SOD3 (1H12)	
					
Cat. #: LF-MA0144 anti-Peroxiredoxin 2 (1E8)		Cat. # : LF-PA0009 anti-Peroxiredoxin 4		Cat. # : LF-PA0010 anti-Peroxiredoxin 5	
					
Cat. # : LF-PA0011 anti-Peroxiredoxin 4		Cat. # : LF-PA0013 anti-SOD1		Cat. # : LF-PA0017 anti-Glutaredoxin 1	
					
Cat. # : LF-PA0055 anti-Glutathione Peroxidase 4		Cat. # : LF-PA0056 anti-Glutathione Reductase		LF-PA0060 anti-Catalase	LF-PA0031 anti-MSRA
					
LF-MA0069 anti-Prx1	LF-MA0071 anti-Prx2	LF-MA0045 anti-Prx3	LF-MA0104 anti-Prx4	LF-MA0029 anti-SOD1	LF-MA0020 anti-TR1
					

**All images of immunostaining kindly provided by The Swedish Human Protein Atlas (HPA) program*

Antibody List for ROS signaling

Product Name	Catalog No.	Clonality	Host	Species Cross Reactivity	Application
Anti-2-Cys Peroxiredoxin (6E5)	LF-MA0073	mAb	Ms	Hu, Ms	E, WB
Anti-Catalase	LF-PA0060	pAb	Rb	Hu, Ms, Rt	WB, IP
Anti-Catalase (11A1)	LF-MA0010	mAb	Ms	Hu, Ms, Rt	WB
Anti-Catalase (1A1)	LF-MA0003	mAb	Ms	Hu, Ms, Rt	E, IP
Anti-Catalase (2A1)	LF-MA0004	mAb	Ms	Hu	E, IP
Anti-Ferredoxin Reductase	LF-PA0003	pAb	Rb	Hu, Ms, Rt	WB, IP
Anti-Ferredoxin Reductase (6C2)	LF-MA0033	mAb	Ms	Hu	E, WB
Anti-Ferritin H-chain HOT	LF-PA0176	pAb	Rb	Hu, Ms	WB
Anti-Glutaredoxin 1	LF-PA0017	pAb	Rb	Hu	WB, IHC
Anti-Glutaredoxin 1 (28C3)	LF-MA0072	mAb	Ms	Hu	E, IP
Anti-Glutaredoxin 1 (30A1)	LF-MA0082	mAb	Ms	Hu	IP
Anti-Glutathione Peroxidase 1	LF-PA0087	pAb	Rb	Hu, Ms, Rt	WB
Anti-Glutathione Peroxidase 1 (2A10) HOT	LF-MA0090	mAb	Ms	Hu	IP
Anti-Glutathione Peroxidase 1 (42C9)	LF-MA0091	mAb	Ms	Hu	IP
Anti-Glutathione Peroxidase 1 (13B2AF) New	LF-MA0206	mAb	Ms	Hu, Ms, Rt	E, WB, IP
Anti-Glutathione Peroxidase 3 (23B1)	LF-MA0114	mAb	Ms	Hu	WB
Anti-Glutathione Peroxidase 3 (55A)	LF-MA0145	mAb	Ms	Hu	E, IP
Anti-Glutathione Peroxidase 4 HOT	LF-PA0055	pAb	Rb	Hu, Ms, Rt	WB, IHC
Anti-Glutathione Peroxidase 4 (1H11)	LF-MA0085	mAb	Ms	Hu, Ms, Rt	E, IP
Anti-Glutathione Peroxidase 4 (7A4)	LF-MA0059	mAb	Ms	Hu	E, IP
Anti-Glutathione Reductase	LF-PA0056	pAb	Rb	Hu, Ms, Rt	WB, IHC
Anti-Glutathione Reductase (1A7)	LF-MA0036	mAb	Ms	Hu	E, IP
Anti-Glutathione Reductase (2B3)	LF-MA0024	mAb	Ms	Hu	E, IP
Anti-Methionine Sulfoxide Reductase A	LF-PA0031	pAb	Rb	Ms, Rt	WB
Anti-Methionine Sulfoxide Reductase A (1C8)	LF-MA0083	mAb	Ms	Hu, Ms	IP
Anti-Methionine Sulfoxide Reductase A (5B5)	LF-MA0084	mAb	Ms	Hu, Rt	IP, IHC
Anti-Methionine Sulfoxide Reductase B	LF-PA0088	pAb	Rb	Hu, Ms, Rt	WB
Anti-MPO (Myeloperoxidase)	LF-PA0052	pAb	Rb	Hu	WB
Anti-MPO (Myeloperoxidase) (1A1) New	LF-MA0154	mAb	Ms	Hu	E, IP
Anti-Peroxiredoxin 1 (13E7) HOT	LF-MA0069	mAb	Ms	Hu	E, IP
Anti-Peroxiredoxin 1 (2A4)	LF-MA0068	mAb	Ms	Hu, Rt	IP
Anti-Peroxiredoxin 1 (9D2)	LF-MA0031	mAb	Ms	Hu	IP, ICC
Anti-Peroxiredoxin 1	LF-PA0095	pAb	Rb	Hu, Ms, Rt	WB
Anti-Peroxiredoxin 1 (3G5)	LF-MA0214	mAb	Ms	Hu	E, WB, IP
Anti-Peroxiredoxin 2 (12B1)	LF-MA0071	mAb	Ms	Hu, Ms, Rt	E, IP
Anti-Peroxiredoxin 2 (9A1)	LF-MA0070	mAb	Ms	Hu, Ms, Rt	E, IP, ICC
Anti-Peroxiredoxin 2	LF-PA0091	pAb	Rb	Hu, Ms, Rt	WB
Anti-Peroxiredoxin 2 (1E8)	LF-MA0144	mAb	Ms	Hu, Ms, Rt	E, WB, IHC
Anti-Peroxiredoxin 3	LF-PA0030	pAb	Rb	Hu, Ms, Rt	WB, IP
Anti-Peroxiredoxin 3 (12B)	LF-MA0044	mAb	Ms	Hu, Ms	E, WB, ICC, IHC
Anti-Peroxiredoxin 3 (2B11)	LF-MA0043	mAb	Ms	Hu, Ms, Rt	E, IP
Anti-Peroxiredoxin 3 (4G10)	LF-MA0045	mAb	Ms	Hu	E, WB, IP
Anti-Peroxiredoxin 4	LF-PA0009	pAb	Rb	Hu, Ms	WB, IP, IHC
Anti-Peroxiredoxin 4 (3A1)	LF-MA0006	mAb	Ms	Hu	IP, ICC
Anti-Peroxiredoxin 4 (7A1)	LF-MA0014	mAb	Ms	Hu, Ms, Rt	E, WB, IP
Anti-Peroxiredoxin 4(1A1)	LF-MA0005	mAb	Ms	Hu	IP
Anti-Peroxiredoxin 5	LF-PA0010	pAb	Rb	Hu, Ms, Rt	WB, IHC
Anti-Peroxiredoxin 5 (12A)	LF-MA0017	mAb	Ms	Hu, Ms, Rt	E, WB
Anti-Peroxiredoxin 5 (3F11)	LF-MA0002	mAb	Ms	Hu	E, WB, IP, ICC
Anti-Peroxiredoxin 5 (4C3)	LF-MA0001	mAb	Ms	Hu	E, WB, IP
Anti-Peroxiredoxin 6	LF-PA0011	pAb	Rb	Hu Ms Rt	WB, IP, IHC
Anti-Peroxiredoxin 6 (1A11) HOT	LF-MA0013	mAb	Ms	Hu	E, WB, IP, ICC
Anti-Peroxiredoxin 6 (4A3)	LF-MA0018	mAb	Ms	Hu, Ms, Rt	E, WB
Anti-Peroxiredoxin 6 (5E1)	LF-MA0067	mAb	Ms	Hu	E, IP
Anti-Peroxiredoxin 6 (6H5)	LF-MA0104	mAb	Ms	Hu	E, IP
Anti-Selenoprotein M (10C1)	LF-MA0058	mAb	Ms	-	E, WB, IP

Antibody List for ROS signaling

Product Name	Catalog No.	Clonality	Host	Species Cross Reactivity	Application
Anti-Selenoprotein M (4C2)	LF-MA0057	mAb	Ms	-	E, WB, IP
Anti-Superoxide Dismutase 1 HOT	LF-PA0013	pAb	Rb	Hu, Ms, Rt	WB, IP, IHC
Anti-Superoxide Dismutase 1 (72B1)	LF-MA0023	mAb	Ms	Hu	IP
Anti-Superoxide Dismutase 1 (8A1)	LF-MA0029	mAb	Ms	Hu	IP
Anti-Superoxide Dismutase 2	LF-PA0021	pAb	Rb	Hu, Ms, Rt	WB, IP
Anti-Superoxide Dismutase 2 (1E8)	LF-MA0035	mAb	Ms	Hu	IP
Anti-Superoxide Dismutase 2 (23G5)	LF-MA0066	mAb	Ms	Hu	IP
Anti-Superoxide Dismutase 2 (2A1)	LF-MA0030	mAb	Ms	Hu, Ms, Rt	E, WB
Anti-Superoxide Dismutase 2 (4F10)	LF-MA0065	mAb	Ms	Hu	IP
Anti-Superoxide Dismutase 3 (1H12) HOT	LF-MA0121	mAb	Ms	Hu	E, WB, IP, IHC
Anti-Superoxide Dismutase 4	LF-PA0022	pAb	Rb	Hu, Ms, Rt	WB, IP
Anti-Superoxide Dismutase 4 (11G1)	LF-MA0019	mAb	Ms	Hu	E, WB
Anti-Superoxide Dismutase 4 (2A1) HOT	LF-MA0016	mAb	Ms	Hu	E, IP
Anti-Superoxide Dismutase 4 (3A1)	LF-MA0042	mAb	Ms	Hu	E, WB, IP, IHC
Anti-Thioredoxin 1 (3A1) HOT	LF-MA0055	mAb	Ms	Hu	E, WB, IP, IHC
Anti-Thioredoxin 1 (8A1)	LF-MA0077	mAb	Ms	Hu	E, IP
Anti-Thioredoxin 2	LF-PA0012	pAb	Rb	Hu, Ms	WB
Anti-Thioredoxin 2 (4C5)	LF-MA0079	mAb	Ms	Hu, Ms, Rt	IP
Anti-Thioredoxin 2 (71G4)	LF-MA0080	mAb	Ms	Hu, Ms, Rt	IP
Anti-Thioredoxin Reductase 1	LF-PA0023	pAb	Rb	Hu	WB
Anti-Thioredoxin Reductase 1 (19A1) HOT	LF-MA0015	mAb	Ms	Hu	E, WB, IP
Anti-Thioredoxin Reductase 1 (5A5)	LF-MA0020	mAb	Ms	Hu	E, IP
Anti-Thioredoxin Reductase 2	LF-PA0024	pAb	Rb	Hu, Ms, Rt	WB
Anti-Thioredoxin Reductase 2 (25B3)	LF-MA0054	mAb	Ms	Hu	E, IP
Anti-Thioredoxin Reductase 2 (7B2)	LF-MA0025	mAb	Ms	Hu	IP

Protein List for ROS signaling

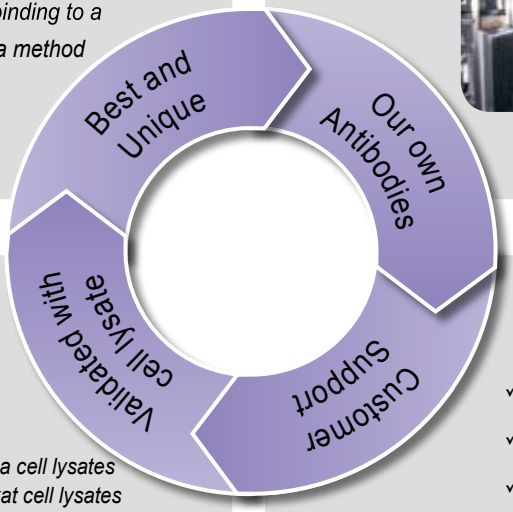
Product Name	*Catalog No.*	*Size*
Glutaredoxin 1 (Human) HOT	LF-P0003	0.1mg(1mg/ml)
Glutaredoxin 2 (Human)	LF-P0016	0.1mg(1mg/ml)
Glutathione Peroxidase 4 (Human) HOT	LF-P0015	0.5mg
Glutathione Reductase (Human)	LF-P0024	0.5mg
Glutathione Reductase (Yeast)	LF-P0071	0.5mg(1mg/ml)
Methionine Sulfoxide Reductase A (Human)	LF-P0022	0.1mg(1mg/ml)
Methionine Sulfoxide Reductase B (mutant: Selcys95cys) (Human)	LF-P0012	0.5mg
Peroxiredoxin 1 (Human) HOT	LF-P0002	0.25mg(1mg/ml)
Peroxiredoxin 2 (Human) HOT	LF-P0007	0.2mg(1mg/ml)
Peroxiredoxin 3 (Human, W/O MLS) HOT	LF-P0023	0.25mg(1mg/ml)
Peroxiredoxin 3 (Mouse, W/O MLS)	LF-P0005	0.5mg(1mg/ml)
Peroxiredoxin 4 (Human, W/O SLS) New	LF-P0058	0.5mg
Peroxiredoxin 5 (Mouse, W/O MLS)	LF-P0014	0.5mg
Peroxiredoxin 6 (Human)	LF-P0004	0.5mg
Superoxide Dismutase 1 (Human)	LF-P0010	0.5mg
Superoxide Dismutase 2 (Human)	LF-P0013	0.5mg(1mg/ml)
Superoxide Dismutase 4 (Human)	LF-P0020	0.5mg
Thioredoxin 1	LF-P0001	0.5mg(1mg/ml)
Thioredoxin 1 (Yeast)	LF-P0036	0.5mg
Thioredoxin 2 (Human, W/O MLS)	LF-P0006	0.5mg(1mg/ml)
Thioredoxin 2 (Yeast) New	LF-P0052	0.5mg(1mg/ml)
Thioredoxin Reductase 1 (Human)	LF-P0021	0.5mg
Thioredoxin Reductase 1 (Yeast)	LF-P0009	0.5mg
Thioredoxin Reductase 2 (Human)	LF-P0019	0.5mg

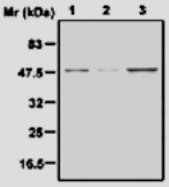
Your Antibody Partner, Abfrontier

Patents :
KR 10-05136274,
US 11/828791

An antibody specifically binding to a sulfonylated protein and a method for producing the same

Innovative Animal Facility





L1 : HeLa cell lysates
L2 : Jurkat cell lysates
L3 : 293T cell lysates

Western Blotting : "'Anti-FDXR"

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- ✓*Detailed datasheet*
- ✓*Competitive price*
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