

**Product Name: Peroxiredoxin 1 (6A6) Mouse
Monoclonal Antibody
Catalog #: AMM03598**

Summary

Production Name	Peroxiredoxin 1 (6A6) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	PRDX1 PRDX1; PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A;
Alternative Names	NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2
Gene ID	5052
SwissProt ID	Q06830

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 22 kDa; Observed MW: 22 kDa

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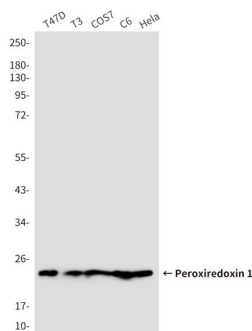
Background

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H₂O₂.

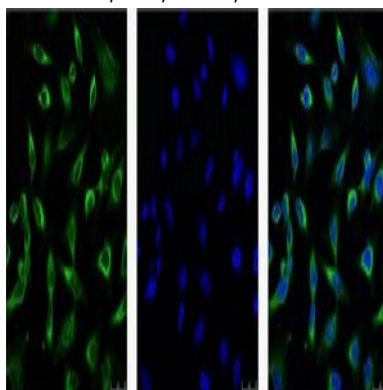
Research Area

Cell Biology

Image Data

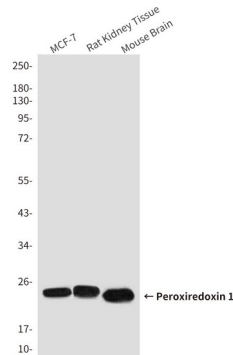


Western blot analysis of Prdx 1 in T47D, 3T3, COS7, C6 and HeLa lysates using Prdx 1 antibody.

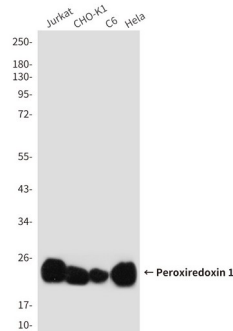


Immunofluorescence analysis of Peroxiredoxin 1 (6A6) in HeLa using Peroxiredoxin 1 (6A6) antibody(left), and DAPI (blue).

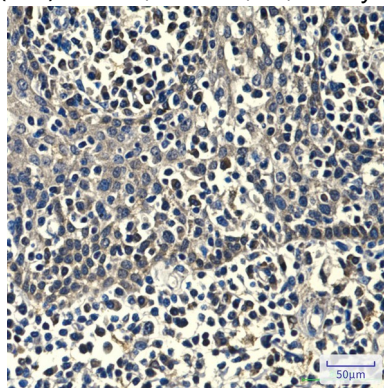
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Western blot analysis of Peroxiredoxin 1 (6A6) in MCF-7, rat Kidney, mouse Brain lysates using Peroxiredoxin 1 (6A6) antibody.



Western blot analysis of Peroxiredoxin 1 (6A6) in Jurkat, CHO-K1, C6, HeLa lysates using Peroxiredoxin 1 (6A6) antibody



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Peroxiredoxin 1/PAG (6A6) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Note

For research use only.