
Product Name: Peroxiredoxin 1 Mouse Monoclonal Antibody**Catalog #: AMM85028**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

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

Antigen Information

Gene Name	Peroxiredoxin 1 PRDX1; PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A; NKEF-A;
Alternative Names	Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2
Gene ID	5052.0
SwissProt ID	Q06830
Immunogen	Recombinant Protein of Peroxiredoxin-1

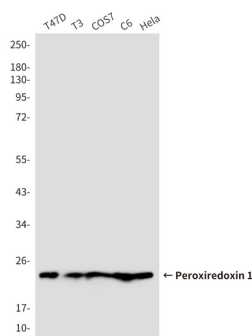
Background

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system

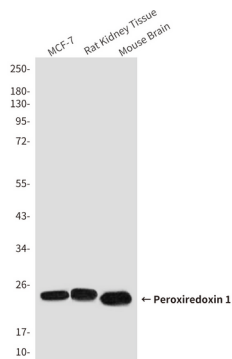
but not from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H₂O₂.

Research Area

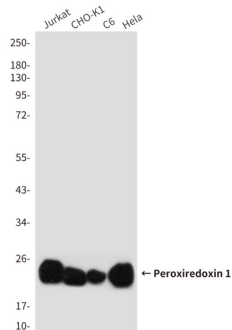
Image Data



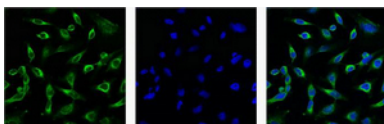
Western blot analysis of Prdx 1 in T47D, 3T3, COS7, C6 and HeLa lysates using Prdx 1 antibody.



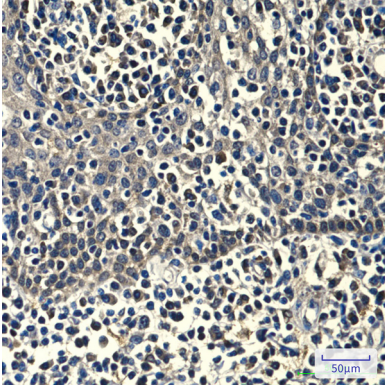
Western blot analysis of Peroxiredoxin 1 in MCF-7, rat Kidney, mouse Brain lysates using Peroxiredoxin 1 antibody.



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



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



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