

Product datasheet for **TA385032**

Peroxiredoxin 1 (PRDX1) Mouse Monoclonal Antibody [Clone ID: 6A6-4H3-7A3]

Product data:

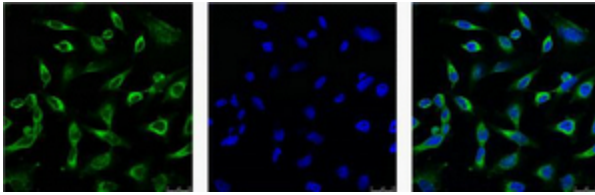
Product Type:	Primary Antibodies
Clone Name:	6A6-4H3-7A3
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1/1000-3000 ICC: 1/100-200 IHC: 1/50-300
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Protein of Peroxiredoxin-1
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.03% Proclin 300, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Observed MW (kDa):21
Gene Name:	peroxiredoxin 1
Database Link:	Entrez Gene 5052 Human Q06830
Background:	Swiss-Prot Acc.Q06830.Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H2O2 (PubMed:9497357). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation .



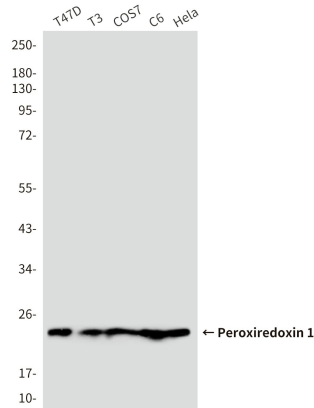
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Synonyms: MSP23; NKEF-A; NKEFA; PAG; PAGA; PAGB; PRX1; PRXI; TDPX2

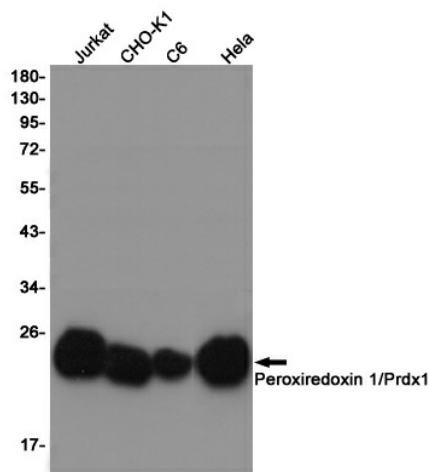
Product images:



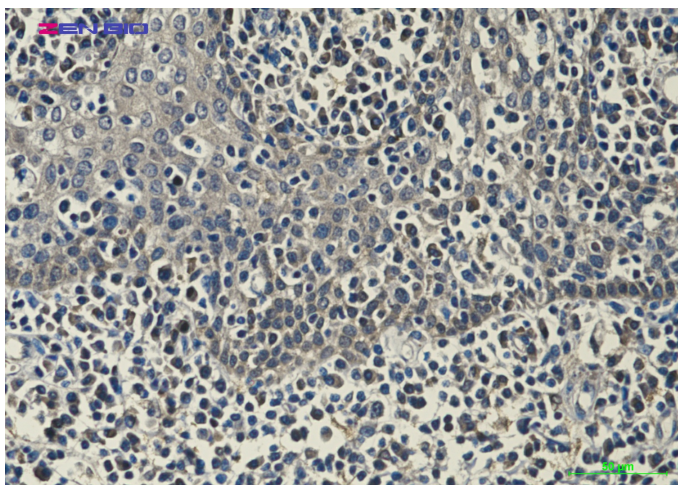
IF analysis of HeLa with antibody (Left) and DAPI (Right) diluted at 1:100.



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



Western blot detection of Peroxiredoxin 1/Prdx1 in Jurkat, CHO-K1, C6, HeLa cell lysates using Peroxiredoxin 1/Prdx1 (6A6) Mouse mAb(1:1000 diluted). Predicted band size: 21 kDa. Observed band size: 21 kDa.



Immunohistochemical of Peroxiredoxin 1/PAG (6A6) in Human tonsil tissue using Peroxiredoxin 1/PAG (6A6) antibody at dilution 1/20