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PRDX2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PRDX2.
Catalog # AT3421a

Product Information

Application	WB, IHC, IF, E
Primary Accession	P32119
Other Accession	BC000452
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 kappa
Clone Names	4E10-2D2
Calculated MW	21892

Additional Information

Gene ID	7001
Other Names	Peroxiredoxin-2, Natural killer cell-enhancing factor B, NKEF-B, PRP, Thiol-specific antioxidant protein, TSA, Thioredoxin peroxidase 1, Thioredoxin-dependent peroxide reductase 1, PRDX2, NKEFB, TDPX1
Target/Specificity	PRDX2 (AAH00452, 1 a.a. ~ 198 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PRDX2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

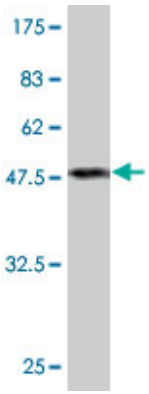
Background

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms. Transcript variants encoding distinct isoforms have been identified for this gene.

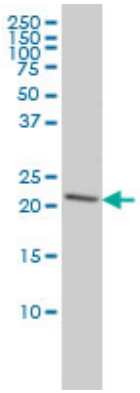
References

1.HDAC2 and TXNL1 distinguish aneuploid from diploid colorectal cancers.Gemoll T, Roblick UJ, Szymczak S, Braunschweig T, Becker S, Igl BW, Bruch HP, Ziegler A, Hellman U, Difilippantonio MJ, Ried T, Jornvall H, Auer G, Habermann JK.Cell Mol Life Sci. 2011 Feb 3. [Epub ahead of print]2.Identification of a New Panel of Serum Autoantibodies Associated with the Presence of In situ Carcinoma of the Breast in Younger Women.Desmetz C, Bascoul-Mollevi C, Rochaix P, Lamy PJ, Kramar A, Rouanet P, Maudelonde T, Mange A, Solassol J.Clin Cancer Res. 2009 Jul 15;15(14):4733-41. Epub 2009 Jul 7.

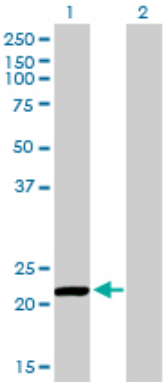
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (47.52 KDa) .

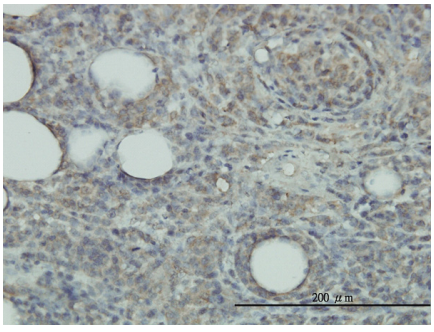


PRDX2 monoclonal antibody (M01), clone 4E10-2D2 Western Blot analysis of PRDX2 expression in Hela ((Cat # AT3421a)

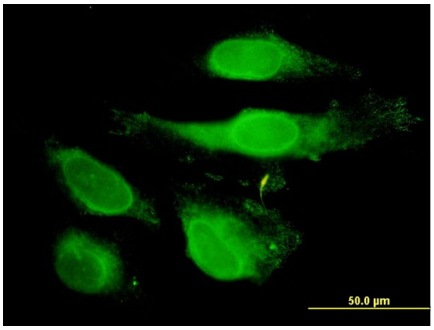


Western Blot analysis of PRDX2 expression in transfected 293T cell line by PRDX2 monoclonal antibody (M01), clone 4E10-2D2.

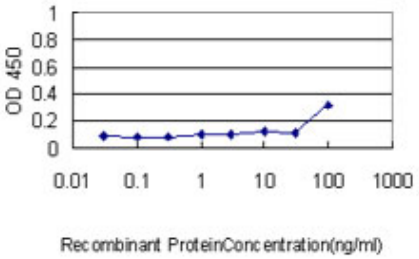
Lane 1: PRDX2 transfected lysate(21.9 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to PRDX2 on formalin-fixed paraffin-embedded human malignant lymphoma, diffuse large B tissue. [antibody concentration 1 ug/ml]



Immunofluorescence of monoclonal antibody to PRDX2 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged PRDX2 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.