

## **PRDX2 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a full length recombinant PRDX2.

Catalog # AT3421a

### **Specification**

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#### **PRDX2 Antibody (monoclonal) (M01) - Product Information**

Application	IF, WB, IHC, E
Primary Accession	<a href="#">P32119</a>
Other Accession	<a href="#">BC000452</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	21892

#### **PRDX2 Antibody (monoclonal) (M01) - 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

##### **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.

#### **PRDX2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

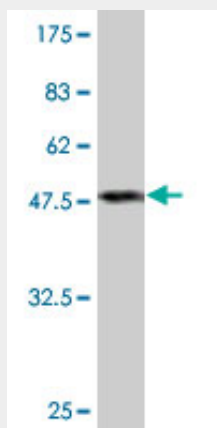
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

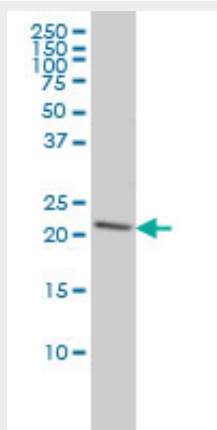
### PRDX2 Antibody (monoclonal) (M01) - Images



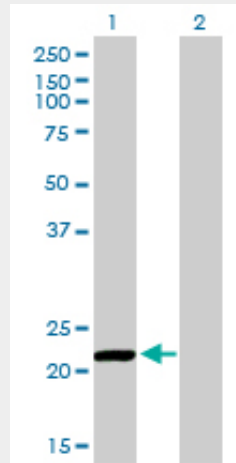
Immunofluorescence of monoclonal antibody to PRDX2 on HeLa cell. [antibody concentration 10 ug/ml]



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

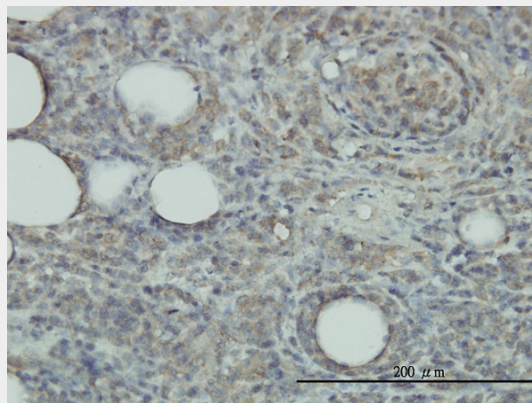


PRDX2 monoclonal antibody (M01), clone 4E10-2D2 Western Blot analysis of PRDX2 expression in Hela ( (Cat # AT3421a )

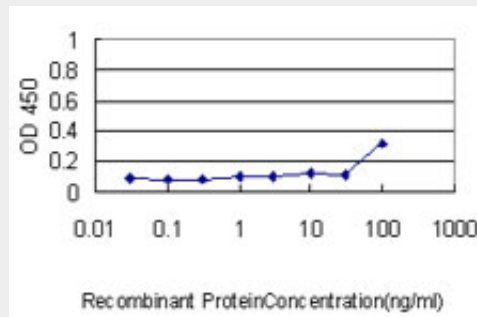


Western Blot analysis of PRDX2 expression in transfected 293T cell line by PRDX2 monoclonal antibody (M01), clone 4E10-2D2.

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]



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

### PRDX2 Antibody (monoclonal) (M01) - 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.

### **PRDX2 Antibody (monoclonal) (M01) - 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.