

PRDX2 / Peroxiredoxin 2 Antibody
Mouse Monoclonal Antibody
Catalog # ALS15181**Specification**

PRDX2 / Peroxiredoxin 2 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P32119
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	22kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

PRDX2 / Peroxiredoxin 2 Antibody - Additional Information**Gene ID** 7001**Other Names**

Peroxiredoxin-2, 1.11.1.15, 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

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

PRDX2 / Peroxiredoxin 2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRDX2 / Peroxiredoxin 2 Antibody - Protein Information**Name** PRDX2**Synonyms** NKEFB, TDPX1**Function**

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 H(2)O(2).

Cellular Location

Cytoplasm.

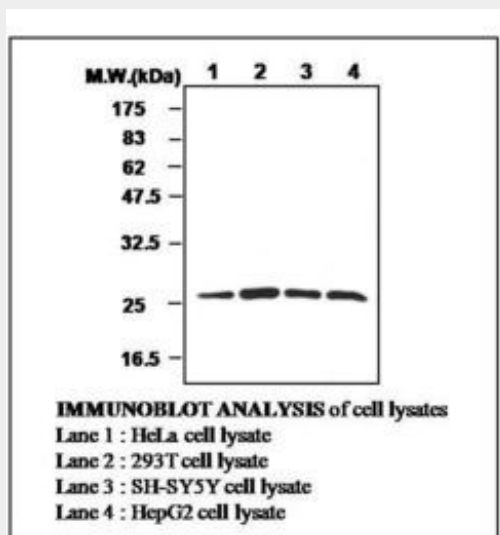
Volume
50 µl

PRDX2 / Peroxiredoxin 2 Antibody - Protocols

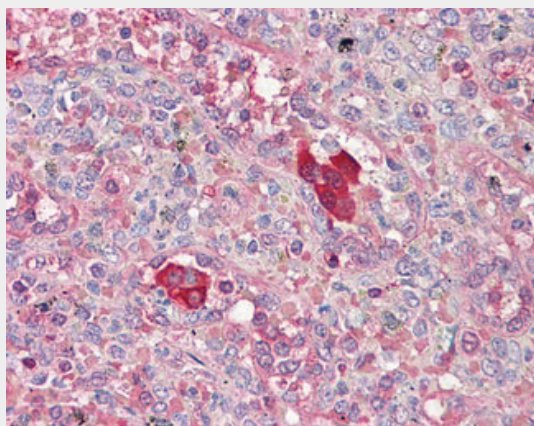
Provided below are standard protocols that you may find useful for product applications.

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

PRDX2 / Peroxiredoxin 2 Antibody - Images



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Anti-PRDX2 antibody IHC of human spleen.

PRDX2 / Peroxiredoxin 2 Antibody - Background

Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons 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.

PRDX2 / Peroxiredoxin 2 Antibody - References

Lim Y.-S.,et al.Gene 140:279-284(1994).
Shau H.,et al.Immunogenetics 40:129-134(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Halleck A.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Grimwood J.,et al.Nature 428:529-535(2004).