

PRDX4 / Peroxiredoxin 4 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS14845**Specification**

PRDX4 / Peroxiredoxin 4 Antibody - Product Information

Application	WB, IHC
Primary Accession	Q13162
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31kDa KDa

PRDX4 / Peroxiredoxin 4 Antibody - Additional Information**Gene ID** 10549**Other Names**

Peroxiredoxin-4, 1.11.1.15, Antioxidant enzyme AOE372, AOE37-2, Peroxiredoxin IV, Prx-IV, Thioredoxin peroxidase AO372, Thioredoxin-dependent peroxide reductase A0372, PRDX4

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

PRDX4 / Peroxiredoxin 4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRDX4 / Peroxiredoxin 4 Antibody - Protein Information**Name** PRDX4**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. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

Cellular Location

Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein is cytoplasmic.

Volume

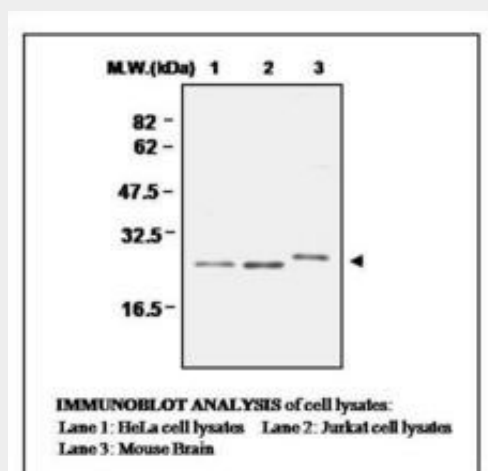
50 µl

PRDX4 / Peroxiredoxin 4 Antibody - Protocols

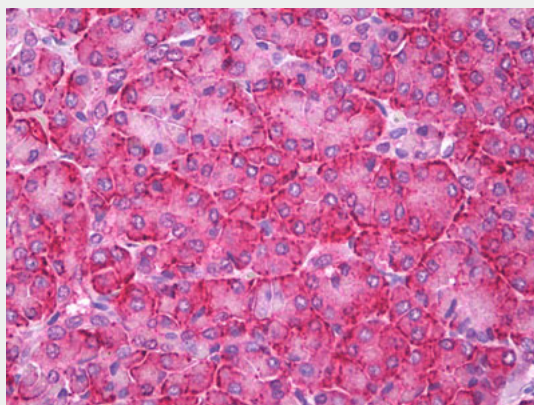
Provided below are standard protocols that you may find useful for product applications.

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

PRDX4 / Peroxiredoxin 4 Antibody - Images



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Anti-PRDX4 / Peroxiredoxin 4 antibody IHC of human pancreas, exocrine.

PRDX4 / Peroxiredoxin 4 Antibody - Background

Probably involved in redox regulation of the cell. Regulates the activation of NF-kappa-B in the cytosol by a modulation of I-kappa-B-alpha phosphorylation.

PRDX4 / Peroxiredoxin 4 Antibody - References

Jin D.-Y., et al. J. Biol. Chem. 272:30952-30961(1997).
Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Xu G.,et al.Proc. Natl. Acad. Sci. U.S.A. 106:19310-19315(2009).
Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.
Wagner E.,et al.Biochem. J. 366:777-785(2002).