

PRDX4 Antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI15091

Specification

PRDX4 Antibody - C-terminal region - Product Information

Application	WB
Primary Accession	Q13162
Other Accession	NM_006406 , NP_006397
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25kDa KDa

PRDX4 Antibody - C-terminal region - Additional Information

Gene ID 10549

Alias Symbol AOE37-2, PRX-4

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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-PRDX4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

PRDX4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

PRDX4 Antibody - C-terminal region - 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

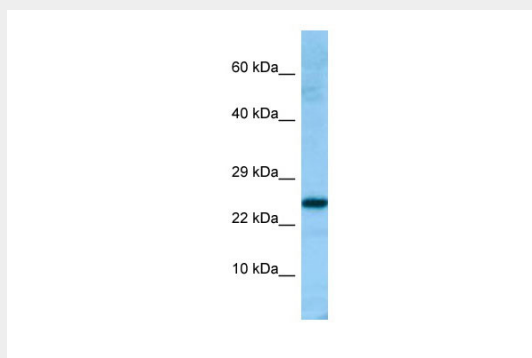
Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein is cytoplasmic.

PRDX4 Antibody - C-terminal region - 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 Antibody - C-terminal region - Images



WB Suggested Anti-PRDX4 Antibody Titration: 1.0 $\mu\text{g/ml}$

Positive Control: Fetal Heart

PRDX4 Antibody - C-terminal region - 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).