

PRDX4 Antibody - C-terminal region

Rabbit Polyclonal Antibody Catalog # AI15091

Product Information

Application WB Primary Accession Q13162

Other Accession <u>NM 006406, NP 006397</u>

ReactivityHuman, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine **Predicted**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 30540

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 AO372, 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.

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.

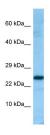
Cellular Location Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to

and retained within the endoplasmic reticulum. A small fraction of the protein

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).

Images



WB Suggested Anti-PRDX4 Antibody Titration: 1.0 μg/ml Positive Control: Fetal Heart

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