

# PRDX4 Antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15091

## Product Information

<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q13162</a>
<b>Other Accession</b>	<a href="#">NM_006406</a> , <a href="#">NP_006397</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	30540

## Additional Information

<b>Gene ID</b>	10549
<b>Alias Symbol</b>	AOE37-2, PRX-4
<b>Other Names</b>	Peroxiredoxin-4, 1.11.1.15, Antioxidant enzyme AOE372, AOE37-2, Peroxiredoxin IV, Prx-IV, Thioredoxin peroxidase A0372, Thioredoxin-dependent peroxide reductase A0372, PRDX4
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	PRDX4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	PRDX4
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein

is cytoplasmic.

## 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'.