

**Peroxiredoxin 4 Antibody**  
**Rabbit mAb**  
**Catalog # AP91798****Specification**

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**Peroxiredoxin 4 Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q13162</a>
Reactivity	Rat
Clonality	Monoclonal
<b>Other Names</b>	
AOE37-2; PRX-4;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	30540 Da

**Peroxiredoxin 4 Antibody - Additional Information**

Dilution	WB~~1:1000 IHC~~1:100~500
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Peroxiredoxin 4
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**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**

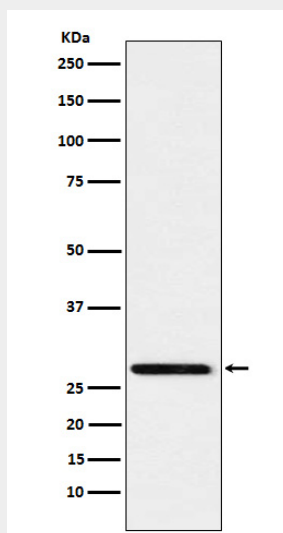
Cytoplasm. Endoplasmic reticulum. Note=Cotranslationally translocated to and retained within the endoplasmic reticulum. A small fraction of the protein is cytoplasmic.

## 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](#)

## Peroxiredoxin 4 Antibody - Images



Western blot analysis of Peroxiredoxin 4 expression in HeLa cell lysate.