

Peroxiredoxin 3 Antibody
Rabbit mAb
Catalog # AP91432

Specification

Peroxiredoxin 3 Antibody - Product Information

| | |
|--|------------------------|
| Application | WB, IHC, FC, ICC, IP |
| Primary Accession | P30048 |
| Clonality | Monoclonal |
| Other Names | |
| AOP1; HBC189; MER5; peroxiredoxin 3; Peroxiredoxin III; PRDX3; PRO1748; Protein MER5 homolog; PRX III; PRX3; SP22; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 27693 Da |

Peroxiredoxin 3 Antibody - Additional Information

| | |
|------------------------------|--|
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human Peroxiredoxin 3 |
| Description | Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol. |
| 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 3 Antibody - Protein Information

Name PRDX3

Synonyms AOP1

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 (PubMed: [17707404](http://www.uniprot.org/citations/17707404) target="_blank">17707404, PubMed: [29438714](http://www.uniprot.org/citations/29438714) target="_blank">29438714, PubMed: [33889951](http://www.uniprot.org/citations/33889951) target="_blank">33889951, PubMed: [7733872](http://www.uniprot.org/citations/7733872) target="_blank">7733872). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed: [12492477](http://www.uniprot.org/citations/12492477))

target="_blank">12492477). Required for the maintenance of physical strength (By similarity).

Cellular Location

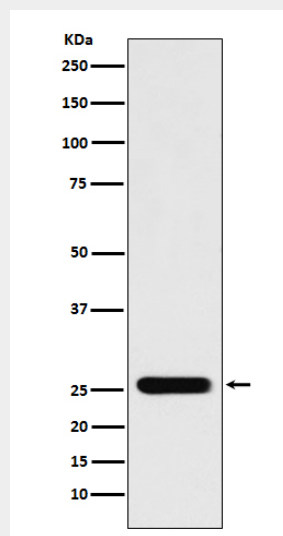
Mitochondrion. Cytoplasm. Early endosome. Note=Localizes to early endosomes in a RPS6KC1-dependent manner.

Peroxiredoxin 3 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 3 Antibody - Images



Western blot analysis of Peroxiredoxin 3 expression in MCF7 cell lysate.