

**Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody**  
Catalog # ABO14444

**Specification**

**Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">P30048</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human.

**Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 10935

**Other Names**

Thioredoxin-dependent peroxide reductase, mitochondrial, 1.11.1.24, Antioxidant protein 1, AOP-1, HBC189, Peroxiredoxin III, Prx-III, Peroxiredoxin-3, Protein MER5 homolog, Thioredoxin-dependent peroxiredoxin 3, PRDX3, AOP1

**Application Details**

WB 1:1000-1:5000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:80<br>FC 1:50

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human Peroxiredoxin 3

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-Peroxiredoxin 3 Rabbit Monoclonal 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:<a href="http://www.uniprot.org/citations/17707404" target="\_blank">17707404</a>, PubMed:<a href="http://www.uniprot.org/citations/29438714" target="\_blank">29438714</a>, PubMed:<a href="http://www.uniprot.org/citations/33889951" target="\_blank">33889951</a>, PubMed:<a href="http://www.uniprot.org/citations/7733872" target="\_blank">7733872</a>). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed:<a href="http://www.uniprot.org/citations/12492477" target="\_blank">12492477</a>). Required for the maintenance of physical strength (By similarity).

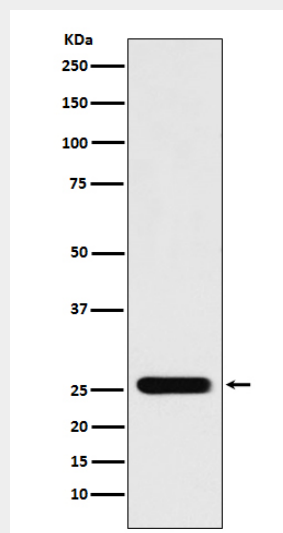
**Cellular Location**

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

**Anti-Peroxiredoxin 3 Rabbit Monoclonal 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](#)

**Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody - Images**

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