

# Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody

Catalog # ABO14444

## Product Information

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|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IHC, IF, ICC, IP, FC                                                                                                                       |
| <b>Primary Accession</b> | <a href="#">P30048</a>                                                                                                                         |
| <b>Host</b>              | Rabbit                                                                                                                                         |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                     |
| <b>Reactivity</b>        | Human                                                                                                                                          |
| <b>Clonality</b>         | Monoclonal                                                                                                                                     |
| <b>Format</b>            | Liquid                                                                                                                                         |
| <b>Description</b>       | Anti-Peroxiredoxin 3 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human. |

## Additional Information

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| <b>Gene ID</b>             | 10935                                                                                                                                                                                                                           |
| <b>Other Names</b>         | 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 |
| <b>Calculated MW</b>       | 27693                                                                                                                                                                                                                           |
| <b>Application Details</b> | 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                                                                                                                                                   |
| <b>Source</b>              | Eukaryota                                                                                                                                                                                                                       |
| <b>Contents</b>            | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                             |
| <b>Clone Names</b>         | Clone: ACEG-16                                                                                                                                                                                                                  |
| <b>Immunogen</b>           | A synthesized peptide derived from human Peroxiredoxin 3                                                                                                                                                                        |
| <b>Purification</b>        | Affinity-chromatography                                                                                                                                                                                                         |
| <b>Storage</b>             | 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.                                                                                      |

## Protein Information

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|-------------|-------|
| <b>Name</b> | PRDX3 |
|-------------|-------|

**Synonyms**

AOP1

**Function**

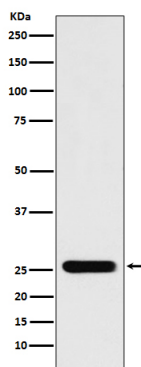
Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides (PubMed:[17707404](#), PubMed:[29438714](#), PubMed:[33889951](#), PubMed:[7733872](#)). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed:[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.

**Images**

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

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