

PRX III Polyclonal Antibody

Catalog # AP72056

Product Information

Application WB, IHC-P, IP, IF, ICC, E

Primary Accession P30048

Reactivity Human, Mouse, Rat

HostRabbitClonalityPolyclonalCalculated MW27693

Additional Information

Gene ID 10935

Other Names PRDX3; AOP1; Thioredoxin-dependent peroxide reductase; mitochondrial;

Antioxidant protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III;

Peroxiredoxin-3; Protein MER5 homolog

Dilution WB~~Western Blot: 1/500 - 1/2000.IHC-p:1:50-300 ELISA: 1/20000. Not yet

tested in other applications. IHC-P~~N/A IP~~N/A IF~~1:50~200 ICC~~N/A

E~~N/A

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

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, PubMed: 29438714, PubMed: 33889951,

PubMed:<u>7733872</u>). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed:<u>12492477</u>). Required for the

maintenance of physical strength (By similarity).

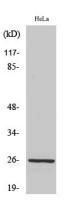
Cellular Location Mitochondrion. Cytoplasm. Early endosome. Note=Localizes to early

endosomes in a RPS6KC1-dependent manner.

Background

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). Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol (PubMed: 12492477).

Images



Western Blot analysis of various cells using PRX III Polyclonal Antibody diluted at 1:1000

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