

Peroxiredoxin 6 Rabbit mAb
Catalog # AP76653**Specification****Peroxiredoxin 6 Rabbit mAb - Product Information**

Application	WB
Primary Accession	P30041
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	25035

Peroxiredoxin 6 Rabbit mAb - Additional Information**Gene ID** 9588**Other Names**
PRDX6**Dilution**
WB~~1/500-1/1000**Format**
Liquid**Peroxiredoxin 6 Rabbit mAb - Protein Information****Name** PRDX6**Synonyms** AOP2, KIAA0106**Function**

Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively (PubMed: [10893423](http://www.uniprot.org/citations/10893423), PubMed: [9497358](http://www.uniprot.org/citations/9497358)). Can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides (PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Also has phospholipase activity, can therefore either reduce the oxidized sn-2 fatty acyl group of phospholipids (peroxidase activity) or hydrolyze the sn-2 ester bond of phospholipids (phospholipase activity) (PubMed: [10893423](http://www.uniprot.org/citations/10893423), PubMed: [26830860](http://www.uniprot.org/citations/26830860)). These activities are dependent on binding to phospholipids at acidic pH and to oxidized phospholipids at cytosolic pH (PubMed: [10893423](http://www.uniprot.org/citations/10893423)). Plays a role in cell protection against oxidative stress by detoxifying peroxides and in phospholipid homeostasis (PubMed: [10893423](http://www.uniprot.org/citations/10893423) target="_blank">10893423). Exhibits acyl-CoA-dependent lysophospholipid acyltransferase

which mediates the conversion of lysophosphatidylcholine (1-acyl-sn-glycero-3- phosphocholine or LPC) into phosphatidylcholine (1,2-diacyl-sn-glycero- 3-phosphocholine or PC) (PubMed:26830860). Shows a clear preference for LPC as the lysophospholipid and for palmitoyl CoA as the fatty acyl substrate (PubMed:26830860).

Cellular Location

Cytoplasm. Lysosome {ECO:0000250|UniProtKB:O35244}. Note=Also found in lung secretory organelles (lamellar bodies). {ECO:0000250|UniProtKB:O35244}

Peroxiredoxin 6 Rabbit mAb - 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 6 Rabbit mAb - Images

