

**Peroxiredoxin 5 Antibody**  
**Rabbit mAb**  
**Catalog # AP92279**

**Specification**

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**Peroxiredoxin 5 Antibody - Product Information**

Application **WB, IHC, FC, IP**  
Primary Accession **[P30044](#)**  
Reactivity **Rat**  
Clonality **Monoclonal**

**Other Names**

ACR1; AOEB166; B166; Peroxiredoxin V; Peroxiredoxin-5; PLP; PMP20; PRDX5; PRDX6; Prx-V; PRXV; SBB110; Thioredoxin reductase;

Isotype **Rabbit IgG**  
Host **Rabbit**  
Calculated MW **22086 Da**

**Peroxiredoxin 5 Antibody - Additional Information**

Purification **Affinity-chromatography**  
Immunogen **A synthesized peptide derived from human Peroxiredoxin 5**  
Description **Reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. Involved in intracellular redox signaling.**  
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 5 Antibody - Protein Information**

**Name** PRDX5 ([HGNC:9355](#))

**Synonyms** ACR1

**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 and as sensor of hydrogen peroxide-mediated signaling events.

**Cellular Location**

[Isoform Mitochondrial]: Mitochondrion

**Tissue Location**

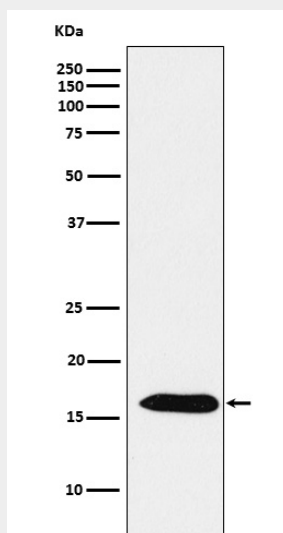
Widely expressed..

## Peroxiredoxin 5 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 5 Antibody - Images



Western blot analysis of Peroxiredoxin 5 expression in HepG2 cell lysate.