

**Peroxiredoxin 5 Antibody**  
**Rabbit mAb**  
**Catalog # AP92279****Specification****Peroxiredoxin 5 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, FC, IP        |
| Primary Accession | <a href="#">P30044</a> |
| 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**

|                              |   |
|------------------------------|---|
| Dilution                     | WB~~1:1000<br>IHC~~1:100~500<br>FC~~1:10~50<br>IP~~N/A  |
| 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

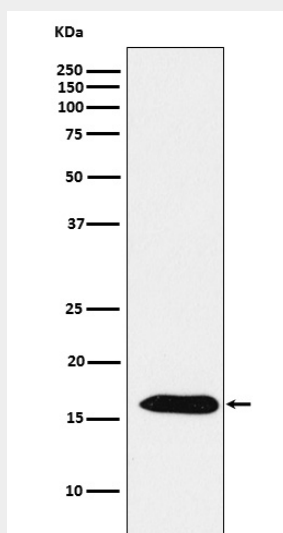
Widely expressed..

#### 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.