

# Peroxiredoxin 5 Antibody

Rabbit mAb Catalog # AP92279

#### **Product Information**

**Application** WB, IHC, FC, IP

Primary Accession <u>P30044</u>

Reactivity Rat, Human, Mouse

**Clonality** Monoclonal

Other Names ACR1; AOEB166; B166; Peroxiredoxin V; Peroxiredoxin-5; PLP; PMP20; PRDX5;

PRDX6; Prx-V; PRXV; SBBI10; Thioredoxin reductase;

IsotypeRabbit IgGHostRabbitCalculated MW22086

#### **Additional Information**

**Dilution** WB 1:500~1:2000 IHC 1:50~1:200 IP 1:50 FC 1:80

**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.

### **Protein Information**

Name PRDX5 ( HGNC:9355)

Synonyms ACR1

**Function** Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide

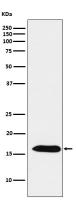
and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as

sensor of hydrogen peroxide-mediated signaling events.

**Cellular Location** [Isoform Mitochondrial]: Mitochondrion

**Tissue Location** Widely expressed..

## **Images**



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

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