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# Peroxiredoxin 5 Antibody

Rabbit mAb
Catalog # AP92279

## Product Information

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|---|---|
| **Application** | WB, IHC, FC, IP |
| **Primary Accession** | P30044 |
| **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; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 22086 |

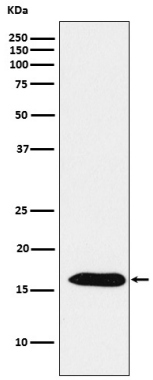
## Additional Information

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| **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

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| **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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.