

PRDX5 / Peroxiredoxin 5 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS15234**Specification**

PRDX5 / Peroxiredoxin 5 Antibody - Product Information

Application	IHC
Primary Accession	P30044
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22kDa KDa

PRDX5 / Peroxiredoxin 5 Antibody - Additional Information**Gene ID** 25824**Other Names**

Peroxiredoxin-5, mitochondrial, 1.11.1.15, Alu corepressor 1, Antioxidant enzyme B166, AOEB166, Liver tissue 2D-page spot 71B, PLP, Peroxiredoxin V, Prx-V, Peroxisomal antioxidant enzyme, TPx type VI, Thioredoxin peroxidase PMP20, Thioredoxin reductase, PRDX5, ACR1

Reconstitution & Storage

Store for 1 year at -20°C from date of shipment

Precautions

PRDX5 / Peroxiredoxin 5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PRDX5 / 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

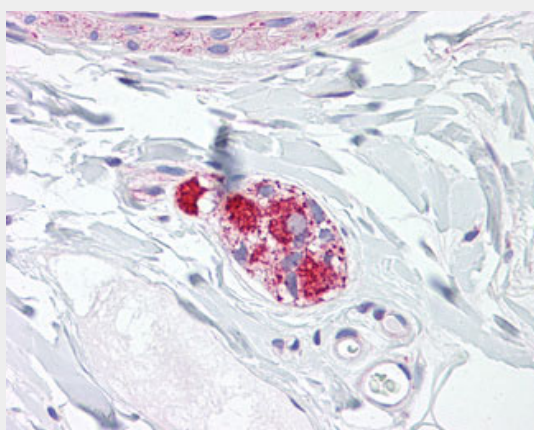
Widely expressed..

PRDX5 / 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](#)

PRDX5 / Peroxiredoxin 5 Antibody - Images



Anti-PRDX5 / Peroxiredoxin 5 antibody IHC of human colon, submucosal plexus.

PRDX5 / Peroxiredoxin 5 Antibody - Background

Reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. Involved in intracellular redox signaling.

PRDX5 / Peroxiredoxin 5 Antibody - References

- Kropotov A., et al. Eur. J. Biochem. 260:336-346(1999).
Yamashita H., et al. J. Biol. Chem. 274:29897-29904(1999).
Knoops B., et al. J. Biol. Chem. 274:30451-30458(1999).
Zhou Y., et al. Biochem. Biophys. Res. Commun. 268:921-927(2000).
Seo M.S., et al. J. Biol. Chem. 275:20346-20354(2000).