

Rabbit anti-Mouse Peroxiredoxin 5 Polyclonal Antibody

Anti-Peroxiredoxin 5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA259131	Rabbit	Mouse	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

Peroxiredoxin 5; Polyclonal Antibody; Anti-Peroxiredoxin 5 Antibody; Rabbit Polyclonal; peroxiredoxin 5; Anti-AOEB166 Antibody; Anti-AOPP Antibody; Anti-Pmp20 Antibody; Anti-Prdx6 Antibody; Anti-PrxV Antibody; anti-Peroxiredoxin 5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse Peroxiredoxin 5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Peroxiredoxin 5 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Mouse Peroxiredoxin 5 Protein
Preparation	Produced in rabbits immunized with purified, recombinant Mouse Peroxiredoxin 5 (rM Peroxiredoxin 5). Peroxiredoxin 5 specific IgG was purified by Mouse Peroxiredoxin 5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

mPRDX5 was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate Lane B: 0.5 mg Mouse lung Whole Cell Lysate Lane C: 0.5 mg Mouse brain Whole Cell Lysate Lane D: 0.5 mg Mouse liver Whole Cell Lysate 4 uL anti-mPRDX5 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-mPRDX5 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa Observed band size :15 kDa



WB (Western Blot)

Anti-PRDX5 rabbit polyclonal antibody at 1:500 dilution Lane A: Mouse lung tissue lysate Lane B: Mouse brain tissue lysate Lane C: Mouse liver tissue lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Peroxiredoxin 5 antibody	Peroxiredoxin-5, also known as Alu corepressor 1, Antioxidant enzyme B166, Liver tissue 2D-page spot 71B, Peroxisomal antioxidant enzyme, Thioredoxin peroxidase PMP20, Thioredoxin reductase, PRDX5 and ACR1, is cytoplasm protein that belongs to the peroxiredoxin 2 family. Peroxiredoxin-5/PRDX5 reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. Peroxiredoxin-5/PRDX5 is involved in intracellular redox signaling. The Peroxiredoxins/Prx are a family of 25 kDa peroxidases that can reduce H2O2 using an electron from thioredoxin (Trx) or other substances. The mammalian Peroxiredoxins/Prx family is divided into six groups (PRDX1, PRDX2, PRDX3, PRDX4, PRDX5, PRDX6) on the basis of homology of amino acid sequences. They are located in the cytosol and play a role in the cell signaling system. All six mammalian peroxiredoxins are expressed in the lung. Peroxiredoxins/Prx is overexpressed in breast cancer tissues to a great extent suggesting that Peroxiredoxins/Prx has a proliferative effect and may be related to cancer development or progression.
References	Seo M.S., et al., 2000, J. Biol. Chem. 275: 20346-54. Declercq J.-P., et al., 2001, J. Mol. Biol. 311:751-9. Noh,D.Y. et al., 2001, Anticancer Res. 21 (3B): 2085-90. Schremmer,B. et al., 2007, Subcell Biochem. 44 :317-44.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/peroxiredoxin-5-antibody-immunoprecipitation-western-blot-elisa/259131>