

Recombinant Peroxiredoxin 5/PRDX5 Monoclonal Antibody

catalog number: **AN300395P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

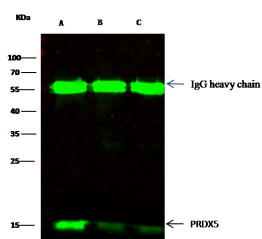
Description

Reactivity	Human
Immunogen	Recombinant Human Peroxiredoxin 5/PRDX5 protein
Host	Rabbit
Isotype	IgG
Clone	12F12
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications Recommended Dilution

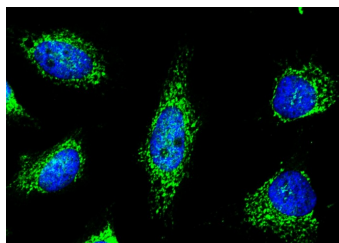
WB	1:500-1:2000
ICC/IF	1:20-1:100
IP	4-8 µL/mg of lysate

Data

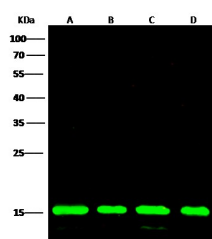


Immunoprecipitation analysis using 2 µL anti-PRDX5 Monoclonal Antibody and 15 µl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using PRDX5 Monoclonal Antibody at a dilution of 1:500. Lane A: 0.5 mg Hela Whole Cell Lysate, Lane B: 0.5 mg Jurkat Whole Cell Lysate, Lane C: 0.5 mg 293T Whole Cell Lysate

Observed-MW: 15 kDa
Calculated-MW: 22 kDa

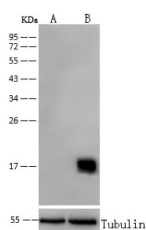


Immunofluorescence analysis of PRDX5 in Hela cells. Cells were fixed with 4% PFA, blocked with 10% serum, and incubated with rabbit anti-human PRDX5 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).



Western Blot with PRDX5 Monoclonal Antibody at dilution of 1:500 dilution. Lane A: Hela Whole Cell Lysate, Lane B: 293T Whole Cell Lysate, Lane C: Jurkat Whole Cell Lysate, Lane D: 293 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 15 kDa
Calculated-MW: 22 kDa



Western Blot with PRDX5 Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: PRDX5 knockout Hela Whole Cell Lysate, Lane B: Hela Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

Observed-MW: 15 kDa
Calculated-MW: 22 kDa

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Rev. V1.0

Preparation & Storage

Storage

This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

Shipping

Ice bag

Background

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate i n-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene.

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