

PRDX5 Rabbit Polyclonal Antibody



CAB1269

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

15kDa

Calculated MW:

12kDa/17kDa/22kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50
- 1:200 IF 1:20 - 1:50

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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 in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene.

Immunogen information

Gene ID:

25824

Uniprot

P30044

Synonyms:

PRDX5; ACR1; AOEB166; B166; HEL-S-55; PLP; PMP20; PRDX6;
PRXV; SBBI10; prx-V

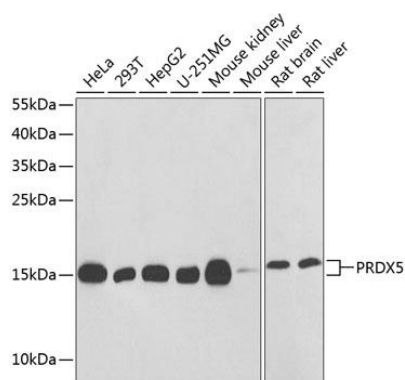
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human PRDX5 (NP_036226.1).

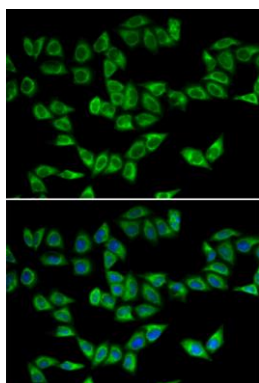
Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using PRDX5 antibody (CAB1269) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using PRDX5 antibody (CAB1269). Blue: DAPI for nuclear staining.