

Peroxiredoxin 5 (PRDX5) Rabbit pAb

Catalog No.: A1269

2 Publications

Basic Information

Observed MW

15kDa

Calculated MW

22kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein interacts with peroxisome receptor 1 and plays an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. The use of alternate transcription start sites is thought to result in transcript variants that use different in-frame translational start codons to generate isoforms that are targeted to the mitochondrion (isoform L) or peroxisome/cytoplasm (isoform S). Multiple related pseudogenes have been defined for this gene.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:20 - 1:50

Immunogen Information

Gene ID

25824

Swiss Prot

P30044

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 53-214 of human Peroxiredoxin 5 (PRDX5) (NP_036226.2).

Synonyms

PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBB10; AOEB166; HEL-S-55; Peroxiredoxin 5 (PRDX5)

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

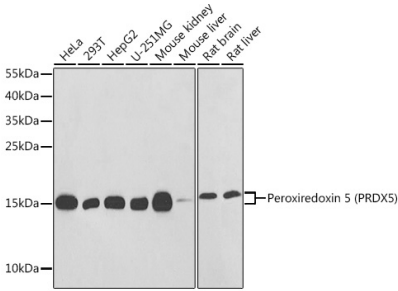
Affinity purification

Storage

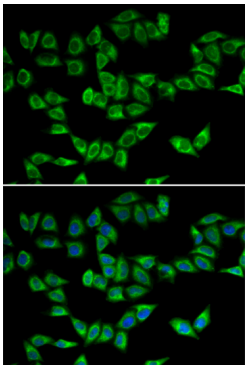
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (A1269) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.



Immunofluorescence analysis of U2OS cells using Peroxiredoxin 5 (Peroxiredoxin 5 (PRDX5)) antibody (A1269). Blue: DAPI for nuclear staining.