

PRDX3 Rabbit Polyclonal Antibody



CAB3076

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

25kDa

Calculated MW:

25kDa/27kDa

Applications:

WB IHC IF

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:

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

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

This gene encodes a mitochondrial protein with antioxidant function. The protein is similar to the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase, and it can rescue bacterial resistance to alkylhydroperoxide in E. coli that lack the C22 subunit. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologs suggest that these genes consist of a family that is responsible for the regulation of cellular proliferation, differentiation and antioxidant functions. This family member can protect cells from oxidative stress, and it can promote cell survival in prostate cancer. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 3, 13 and 22.

Immunogen information

Gene ID:

10935

Uniprot

P30048

Synonyms:

PRDX3; AOP-1; AOP1; HBC189; MER5; PRO1748; SP-22; prx-III

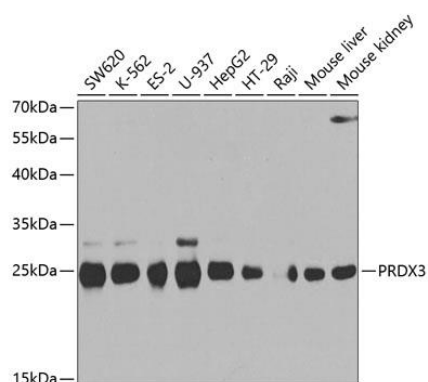
Immunogen:

A synthetic peptide of human PRDX3

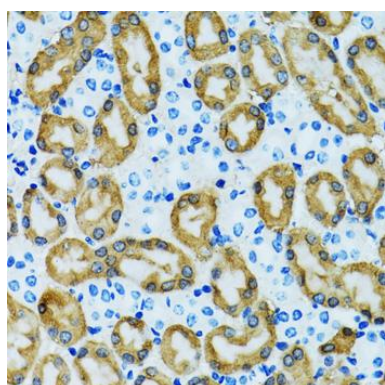
Storage:

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

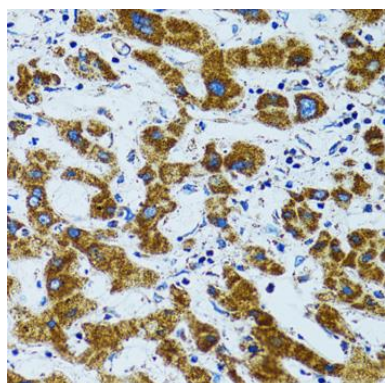
Product Images



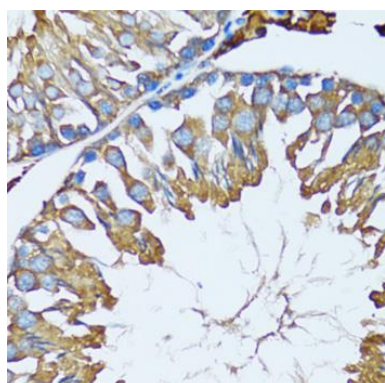
Western blot analysis of extracts of various cell lines, using PRDX3 antibody (CAB3076) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunohistochemistry of paraffin-embedded rat kidney using PRDX3 antibody (CAB3076) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using PRDX3 antibody (CAB3076) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse testis using PRDX3 antibody (CAB3076) at dilution of 1:100 (40x lens).