

# Peroxiredoxin 3 (PRDX3) Rabbit mAb

Catalog No.: A2398    Recombinant    1 Publications

## Basic Information

### Observed MW

25kDa

### Calculated MW

28kDa

### Category

Primary antibody

### Applications

WB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Human, Mouse

### Clone/No. number

ARC0747

## 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.

## Recommended Dilutions

WB                    1:500 - 1:1000

IHC-P                1:50 - 1:200

IF/ICC               1:50 - 1:200

ELISA                Recommended starting concentration is 1 µg/mL.  
Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

10935

### Swiss Prot

P30048

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

AOP1; MER5; AOP-1; PPPCD; SP-22; HBC189; SCAR32; PRO1748; prx-III; Peroxiredoxin 3 (PRDX3)

## Contact

	400-999-6126
	<a href="mailto:cn.market@abclonal.com.cn">cn.market@abclonal.com.cn</a>
	<a href="http://www.abclonal.com.cn">www.abclonal.com.cn</a>

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

