

RK05726

Leader in Biomolecular Solutions for Life Science



[One Step] PRDX3 antibody Kit

Catalog No.: RK05726

Basic Information

Applications

Cross-Reactivity

Human, Mouse, Rat

Observed MW

28kDa

Calculated MW

28kDa

Category

Antibody kit

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.

Product Information

Source

Rabbit

Purification

Storage

Avoid repeated freeze-thaw cycles.

Contact



www.abclonal.com

Component & Recommended Dilutions

Catalog No.	Product Name	Dilutions
RK05726-1	Peroxiredoxin 3 (PRDX3) Rabbit pAb	28kDa
RK05726-2	HRP-conjugated Goat anti-Rabbit IgG (H+L)	28kDa

Immunogen Information

Gene ID

10935

Swiss Prot

P30048

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 63-256 of human Peroxiredoxin 3 (Peroxiredoxin 3 (PRDX3)) (NP_006784.1).

Synonyms

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