

PRDX4 Antibody

Catalog No: #32288



Package Size: #32288-1 50ul #32288-2 100ul

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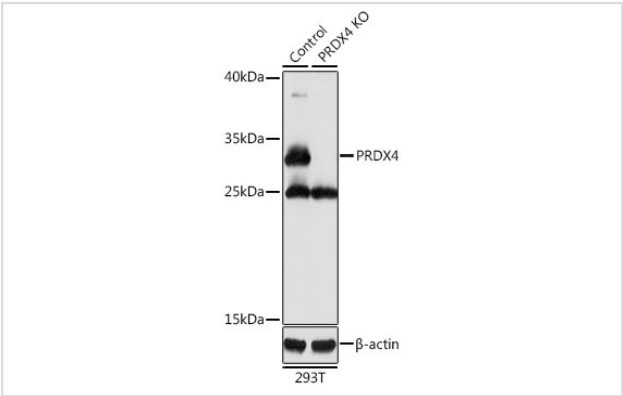
Description

Product Name	PRDX4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total PRDX4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PRDX4.
Target Name	PRDX4
Other Names	AOE37-2; PRX-4;
Accession No.	Swiss-Prot:Q13162NCBI Gene ID:10549
Uniprot	Q13162
GeneID	10549;
SDS-PAGE MW	31KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

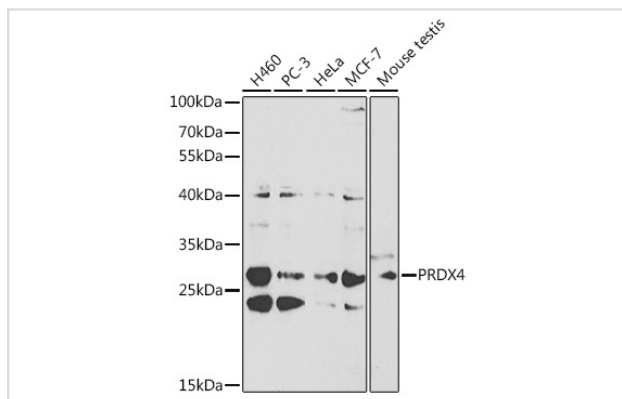
Application Details

WB 1:500 - 1:2000IF 1:50 - 1:100

Images



Western blot analysis of extracts from normal (control) and PRDX4 knockout (KO) 293T cells, using PRDX4 at 1:1000 dilution.



Western blot analysis of extracts of various cell lines, using PRDX4 at 1:1000 dilution.

## Background

PRDX4 (Peroxiredoxin-4) is also named as AOE37-2, Prx-IV and belongs to the AhpC/TSA family. PRDX4 is associated with acrosome formation during rat spermatogenesis and has a protective role in the male reproductive tract, because the phenotype of mice lacking this isoform includes testicular atrophy and increased sperm DNA damage (PMID:20864641). It is initially synthesized as a membrane-binding 31-kDa protein and processed into a 27-kDa secretory form and is discarded with the residual bodies (PMID:19208552). PRDX4 is a pentamer of dimers (PMID:23025503). This antibody is specific to PRDX4.

Note: This product is for in vitro research use only