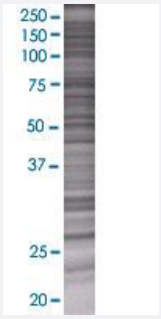
PRDX3 293T Cell Transient Overexpression Lysate(Denatured)

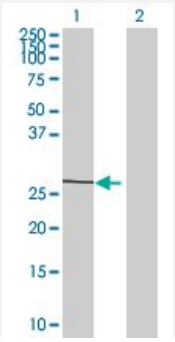
Catalog # H00010935-T01 Size 100 uL

Applications



SDS-PAGE Gel

PRDX3 transfected lysate.



Western Blot

Lane 1: PRDX3 transfected lysate (28.27 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRDX3 full-length
Host	Human
Theoretical MW (kDa)	28.27
Interspecies Antigen Sequence	Mouse (85); Rat (84)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-PRDX3 antibody (H00010935-B01) by Western Blots. SDS-PAGE Gel PRDX3 transfected lysate. Western Blot Lane 1: PRDX3 transfected lysate (28.27 KDa) Lane 2: Non-transfected lysate.
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PRDX3

Entrez GeneID	10935
GeneBank Accession#	NM_006793.2
Protein Accession#	NP_006784.1
Gene Name	PRDX3
Gene Alias	AOP-1, AOP1, MER5, MGC104387, MGC24293, PRO1748, SP-22
Gene Description	peroxiredoxin 3
Omim ID	604769
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein with antioxidant function and is localized in the mitochondrion. This gene shows significant nucleotide sequence similarity to the gene coding for the C22 subunit of Salmonella typhimurium alkylhydroperoxide reductase. Expression of this gene product in E. coli deficient in the C22-subunit gene rescued resistance of the bacteria to alkylhydroperoxide. 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 homologues suggest that these genes consist of a family that is responsible for regulation of cellular proliferation, differentiation, and antioxidant functions. Two transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000020590|antioxidant protein 1|thioredoxin-dependent peroxide reductase

Disease

- Alzheimer disease
- Cognition
- Genetic Predisposition to Disease