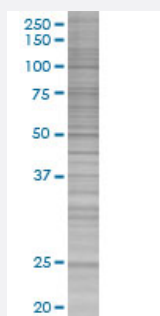


PRDX5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00025824-T01

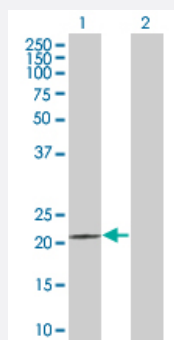
Size 100 uL

Applications



SDS-PAGE Gel

PRDX5 transfected lysate.



Western Blot

Lane 1: PRDX5 transfected lysate (23.65 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRDX5 full-length
Host	Human
Theoretical MW (kDa)	23.65
Interspecies Antigen Sequence	Mouse (84); Rat (79)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PRDX5 antibody ([H00025824-B01](#)) by Western Blots.
SDS-PAGE Gel
PRDX5 transfected lysate.
Western Blot
Lane 1: PRDX5 transfected lysate (23.65 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 — PRDX5

Entrez GeneID

[25824](#)

GeneBank Accession#

[NM_012094.3](#)

Protein Accession#

-

Gene Name

PRDX5

Gene Alias

ACR1, AOEB166, B166, MGC117264, MGC142283, MGC142285, PLP, PMP20, PRDX6, PRXV, SBB110

Gene Description

peroxiredoxin 5

Omim ID

[606583](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. This protein interacts with peroxisome receptor 1. The crystal structure of this protein in its reduced form has been resolved to 1.5 angstrom resolution. This gene uses alternate in-frame translation initiation sites to generate mitochondrial or peroxisomal/cytoplasmic forms. Three transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

Alu co-repressor 1|TPx type VI|antioxidant enzyme B166|liver tissue 2D-page spot 71B|peroxisomal antioxidant enzyme|thioredoxin peroxidase PMP20

Disease

- [Alopecia Areata](#)
- [Alzheimer disease](#)
- [Autoimmune Diseases](#)
- [Cognition](#)
- [Coronary Disease](#)
- [Genetic Predisposition to Disease](#)