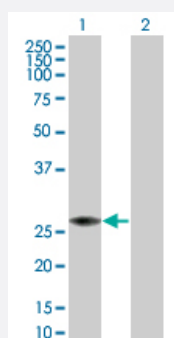


# PRDX4 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00010549-T01

Size 100 uL

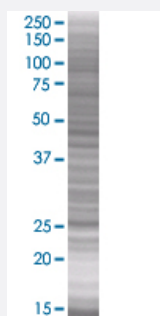
## Applications



### Western Blot

Lane 1: PRDX4 transfected lysate ( 30.5 KDa)

Lane 2: Non-transfected lysate.



### SDS-PAGE Gel

PRDX4 transfected lysate.

## Specification

Transfected Cell Line	293T
Plasmid	pCMV-PRDX4 full-length
Host	Human
Theoretical MW (kDa)	29.92
Interspecies Antigen Sequence	Mouse (89); Rat (90)

## Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PRDX4 antibody ([H00010549-B01](#)) by Western Blots.

Western Blot

Lane 1: PRDX4 transfected lysate ( 30.5 KDa)

Lane 2: Non-transfected lysate.

SDS-PAGE Gel

PRDX4 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 — PRDX4

## Entrez GeneID

[10549](#)

## GeneBank Accession#

[NM\\_006406](#)

## Protein Accession#

[NP\\_006397](#)

## Gene Name

PRDX4

## Gene Alias

AOE37-2, PRX-4

## Gene Description

peroxiredoxin 4

## Omim ID

[606506](#)

## Gene Ontology

[Hyperlink](#)

## Gene Summary

The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq]

## Other Designations

OTTHUMP00000023056|thioredoxin peroxidase|thioredoxin peroxidase (antioxidant enzyme)

## Disease

- [Alzheimer disease](#)
- [Cognition](#)