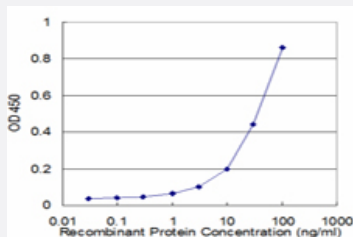


# PRDX2 monoclonal antibody (M03), clone S2

Catalog # H00007001-M03

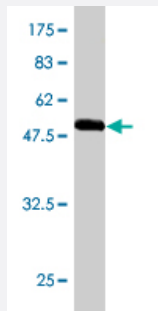
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX2 is approximately 3ng/ml as a capture antibody.



Western Blot detection against Immunogen (47.52 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant PRDX2.
<b>Immunogen</b>	PRDX2 (AAH00452, 1 a.a. ~ 198 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MASGNARIGKPAPDFKATAVVDGAFKEVKLSYKGYVVLFFYPLDFTFVCPTEIIAFSNRAEDFR KLGCEVLGVSVDSQFTHLAWINTPRKEGGLGPLNIPLADVTRRLSEYGVLTDEGIAYRGLFIID GKGVLQRQITVNDLPVGRSVDEALRLVQAFQYTDEHGEVCPAGWKPGSDTIKPNVDDSKEYFSKH N
<b>Host</b>	Mouse
<b>Reactivity</b>	Human

Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.52 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PRDX2 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — PRDX2

Entrez GeneID	<a href="#">7001</a>
GeneBank Accession#	<a href="#">BC000452</a>
Protein Accession#	<a href="#">AAH00452</a>
Gene Name	PRDX2
Gene Alias	MGC4104, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA
Gene Description	peroxiredoxin 2
Omim ID	<a href="#">600538</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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 cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. The crystal structure of this protein has been resolved to 2.7 angstroms. Transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq]

**Other Designations**

natural killer-enhancing factor B|thiol-specific antioxidant 1|thioredoxin peroxidase 1|thioredoxin-dependent peroxide reductase 1|torin

**Disease**

- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Cognition](#)
- [DNA Damage](#)