

PRDX2 rabbit monoclonal antibody

Catalog # H00007001-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PRDX2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human PRDX2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PRDX2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PRDX2

Entrez GeneID	7001
GeneBank Accession#	PRDX2
Gene Name	PRDX2
Gene Alias	MGC4104, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA
Gene Description	peroxiredoxin 2
Omim ID	600538
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 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](#)