

DNAxPAb

Hard-to-Find
Antibody

PRDX3 DNAxPab

Catalog # H00010935-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PRDX3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MAAAVGRLLRASVARHVSAPWGISATAALRPAACGRTSLTNLLCSGSSQAKLFSTSSSCHAPAV TQHAPYFKGTAVVNGEFKDLSDDDFKGKYLVLFFYPLDFTFVCPTEIVAFSDKANEFHVDVNCEVV AVSVDSHFSLHAWINTPRKNGGLGHMNIALLSDLTKQISRDYGVLLLEGSLALRGLFIIDPNGVIKHL SVNDLPVGRSVEETLRLVKAFQYVETHGEVCPANWTPDSPTIKPSPAASKEYFQKVNQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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](#)