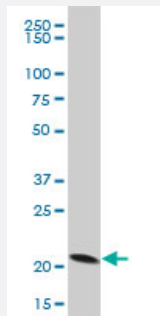


PRDX5 polyclonal antibody (A01)

Catalog # H00025824-A01

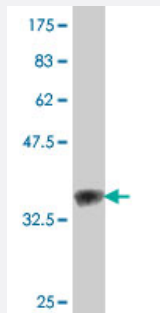
Size 50 uL

Applications



Western Blot (Cell lysate)

PRDX5 polyclonal antibody (A01), Lot # 051109JC01 Western Blot analysis of PRDX5 expression in HL-60 (Cat # L014V1).



Western Blot detection against Immunogen (38.21 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant PRDX5.
Immunogen	PRDX5 (NP_036226, 105 a.a. ~ 214 a.a) partial recombinant protein with GST tag.
Sequence	LPGFVEQAEALKAKGVQVACLNVDAFVTGEWGRAHKAEGKVRLADPTGAFGKETDLLLDD SLVSIFGNRRLLKRFMSMVVQDGMKALNVEPDGTGLTCSLAPNIISQL
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (84); Rat (79)

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (38.21 KDa) .

Storage Buffer

50 % glycerol

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PRDX5 polyclonal antibody (A01), Lot # 051109JC01 Western Blot analysis of PRDX5 expression in HL-60 (Cat # L014V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PRDX5

Entrez GeneID

[25824](#)

GeneBank Accession#

[NM_012094](#)

Protein Accession#

[NP_036226](#)

Gene Name

PRDX5

Gene Alias

ACR1, AOEB166, B166, MGC117264, MGC142283, MGC142285, PLP, PMP20, PRDX6, PRX V, SBBI10

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

Publication Reference

- [Glutathione-dependent and -independent oxidative stress-control mechanisms distinguish normal human mammary epithelial cell subsets.](#)

Kannan N, Nguyen LV, Makarem M, Dong Y, Shih K, Eirew P, Raouf A, Emerman JT, Eaves CJ.

PNAS 2014 May; 111(21):7789.

Application: WB-Ce, Human, Human mammary cells

- [TNF-related apoptosis-inducing ligand suppresses PRDX4 expression.](#)

Wang HQ, Du ZX, Liu BQ, Gao YY, Meng X, Guan Y, Zhang HY.

FEBS Letters 2009 May; 583(9):1511.

Application: WB-Ce, Human, HeLa cells

Disease

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