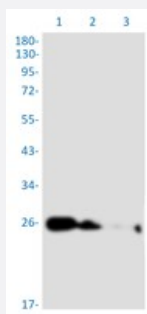


RecomAb™

PRDX6 recombinant monoclonal antibody, clone R03-7F5

Catalog # RAB04472 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HL-60 whole cell lysate and Lane 3: U2OS whole cell lysate with PRDX6 recombinant monoclonal antibody, clone R03-7F5 (Cat # RAB04472).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRDX6.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX6.
Theoretical MW (kDa)	Calculated MW: 25 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)

Storage Instruction

Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: A549 whole cell lysate, Lane 2: HL-60 whole cell lysate and Lane 3: U2OS whole cell lysate with PRDX6 recombinant monoclonal antibody, clone R03-7F5 (Cat # RAB04472).

- Immunoprecipitation

Gene Info — PRDX6

Entrez GeneID[9588](#)**Protein Accession#**[P30041](#)**Gene Name**

PRDX6

Gene Alias

1-Cys, AOP2, KIAA0106, MGC46173, NSGPx, PRX, aiPLA2, p29

Gene Description

peroxiredoxin 6

Omim ID[602316](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell; it can reduce H₂O₂ and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury. [provided by RefSeq]

Other Designations

1-Cys peroxiredoxin|OTTHUMP00000032693|acidic calcium-independent phospholipase A2|antioxidant protein 2|non-selenium glutathione peroxidase

Pathway

- [Biosynthesis of phenylpropanoids](#)

- [Metabolic pathways](#)
- [Methane metabolism](#)
- [Phenylalanine metabolism](#)
- [Phenylpropanoid biosynthesis](#)
- [Tropane](#)

Disease

- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)