

RecomAb™

PRDX5 recombinant monoclonal antibody, clone R04-2F9

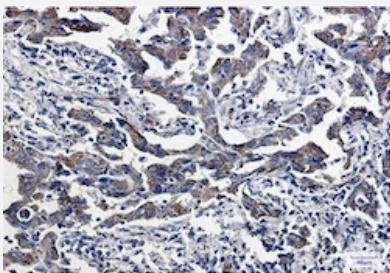
Catalog # RAB02010 Size 100 uL

Applications



Western Blot

Western blot analysis of HeLa lysates with PRDX5 recombinant monoclonal antibody, clone R04-2F9 (Cat # RAB02010).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human lung cancer with PRDX5 recombinant monoclonal antibody, clone R04-2F9 (Cat # RAB02010).

High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRDX5.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX5.
Theoretical MW (kDa)	Calculated MW: 22 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	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 Hela lysates with PRDX5 recombinant monoclonal antibody, clone R04-2F9 (Cat # RAB02010).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human lung cancer with PRDX5 recombinant monoclonal antibody, clone R04-2F9 (Cat # RAB02010).

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- Immunoprecipitation

Gene Info — PRDX5

Entrez GeneID	25824
Protein Accession#	P30044
Gene Name	PRDX5
Gene Alias	ACR1, AOEB166, B166, MGC117264, MGC142283, MGC142285, PLP, PMP20, PRDX6, PRX V, SBB110
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

Disease

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