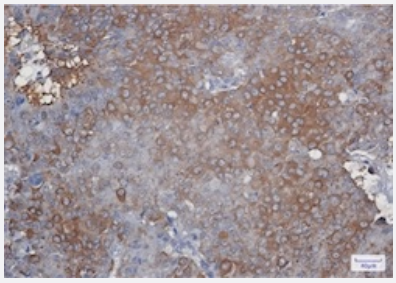
RecomAb™

PRDX2 recombinant monoclonal antibody, clone R02-1G5

Catalog # RAB02011 Size 100 uL

Applications



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

Immunohistochemical staining (Formalin/PFA-fixed paraffin-embedded sections) of human breast cancer with PRDX2 recombinant monoclonal antibody, clone R02-1G5 (Cat # RAB02011).
High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Western Blot

Western blot analysis of K562 lysates with PRDX2 recombinant monoclonal antibody, clone R02-1G5 (Cat # RAB02011).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRDX2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX2.
Theoretical MW (kDa)	Calculated MW: 22 kD
Reactivity	Human, Mouse, Rat
Form	Liquid

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Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) 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 shoul d be handled by trained staff only.

Applications

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

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- Western Blot

  Western blot analysis of K562 lysates with PRDX2 recombinant monoclonal antibody, clone R02-1G5 (Cat # RAB02011).

Gene Info — PRDX2

Entrez GeneID	7001
Protein Accession#	P32119
Gene Name	PRDX2
Gene Alias	MGC4104, NKEFB, PRP, PRX2, PRXII, TDPX1, TSA
Gene Description	peroxiredoxin 2
Omim ID	600538
Gene Ontology	Hyperlink

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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

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