

RecomAb™

PRDX4 recombinant monoclonal antibody, clone R09-7F9

Catalog # RAB04885 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of 293T lysates with PRDX4 recombinant monoclonal antibody, clone R09-7F9 (Cat # RAB04885).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human PRDX4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX4.
Theoretical MW (kDa)	Calculated MW: 31 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (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 (0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

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 (Cell lysate)

Western blot analysis of 293T lysates with PRDX4 recombinant monoclonal antibody, clone R09-7F9 (Cat # RAB04885).

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

Gene Info — PRDX4

Entrez GeneID [10549](#)

Protein Accession# [Q13162](#)

Gene Name PRDX4

Gene Alias AOE37-2, PRX-4

Gene Description peroxiredoxin 4

Omim ID [606506](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB. [provided by RefSeq]

Other Designations OTTHUMP00000023056|thioredoxin peroxidase|thioredoxin peroxidase (antioxidant enzyme)

Disease

- [Alzheimer disease](#)
- [Cognition](#)