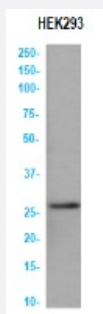


RecomAb™

PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8

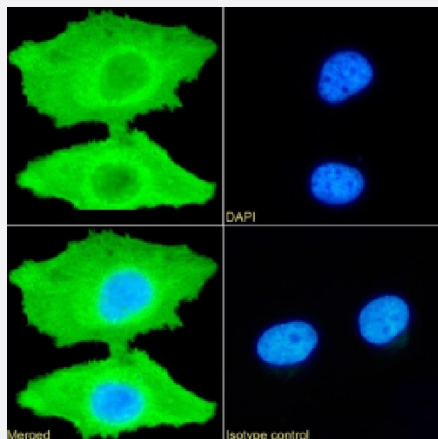
Catalog # RAB03767 Size 200 ug

Applications



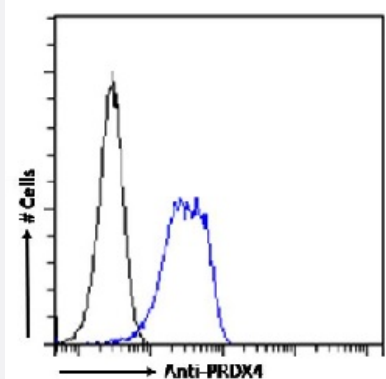
Western Blot

Western blot analysis of PRDX4 in HEK293 cell lysates using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767).



Immunofluorescence

Immunofluorescence analysis of PRDX4 (green) in HeLa cells using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767), and DAPI(blue).



Flow Cytometry

Flow-cytometry analysis of PRDX4 in HeLa cells lysates using anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide corresponding to human P RDX4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PRDX4
Sequence	LVQAFQYTDK
Reactivity	Human
Form	Liquid
Conjugation	Unconjugated
Concentration	batch dependent
Isotype	IgG kappa
Recommend Usage	ELISA Flow cytometry Immunofluorescence ImmunoMRM Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS with 0.02% Proclin 300
Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	For research use only.

Applications

- Western Blot

Western blot analysis of PRDX4 in HEK293 cell lysates using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767).

- Immunofluorescence

Immunofluorescence analysis of PRDX4 (green) in HeLa cells using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767), and DAPI(blue).

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow-cytometry analysis of PRDX4 in HeLa cells lysates using anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40C-8 (Cat # RAB03767).

- Immuno-MRM (multiple reaction monitoring)

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](#)