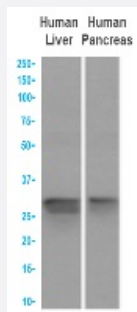


RecomAb™

# PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24

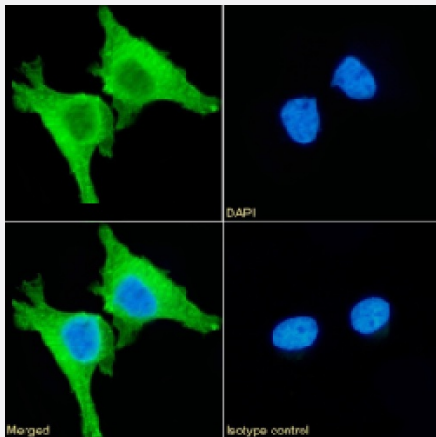
Catalog # RAB03766      Size 200 ug

## Applications



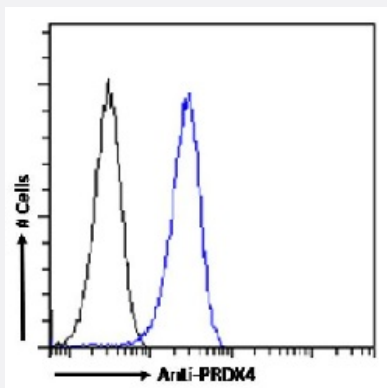
### Western Blot

Western blot analysis of PRDX4 in human liver, human pancreas lysates using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24 (Cat # RAB03766).



### Immunofluorescence

Immunofluorescence analysis of PRDX4 (green) in HeLa cells using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24 (Cat # RAB03766), and DAPI(blue).



### Flow Cytometry

Flow-cytometry analysis of PRDX4 in HeLa cells lysates using anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24 (Cat # RAB03766).

## Specification

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

## Applications

- Western Blot

Western blot analysis of PRDX4 in human liver, human pancreas lysates using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24 (Cat # RAB03766).

- Immunofluorescence

Immunofluorescence analysis of PRDX4 (green) in HeLa cells using human anti-PRDX4 recombinant monoclonal antibody, clone SAIC-40A-24 (Cat # RAB03766), 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-40A-24 (Cat # RAB03766).

- 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](#)