

Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody
Catalog # ABO13496**Specification****Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP
Primary Accession	P07203
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Rat.

Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Additional Information

Gene ID 2876

Other Names

Glutathione peroxidase 1, GPx-1, GSHPx-1, 1.11.1.9, Cellular glutathione peroxidase, Phospholipid-hydroperoxide glutathione peroxidase GPX1, 1.11.1.12, GPX1 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4553)

Calculated MW

22088 MW KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200
IP 1:50

Subcellular Localization

Cytoplasm.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human GPX1

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated

freeze-thaw cycles.

Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Protein Information

Name GPX1 ([HGNC:4553](#))

Function

Catalyzes the reduction of hydroperoxides in a glutathione- dependent manner thus regulating cellular redox homeostasis (PubMed: [11115402](http://www.uniprot.org/citations/11115402), PubMed: [36608588](http://www.uniprot.org/citations/36608588)). Can reduce small soluble hydroperoxides such as H₂O₂, cumene hydroperoxide and tert-butyl hydroperoxide, as well as several fatty acid-derived hydroperoxides (PubMed: [11115402](http://www.uniprot.org/citations/11115402), PubMed: [36608588](http://www.uniprot.org/citations/36608588)). In platelets catalyzes the reduction of 12-hydroperoxyeicosatetraenoic acid, the primary product of the arachidonate 12-lipoxygenase pathway (PubMed: [11115402](http://www.uniprot.org/citations/11115402)).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P11352}. Mitochondrion {ECO:0000250|UniProtKB:P11352}

Tissue Location

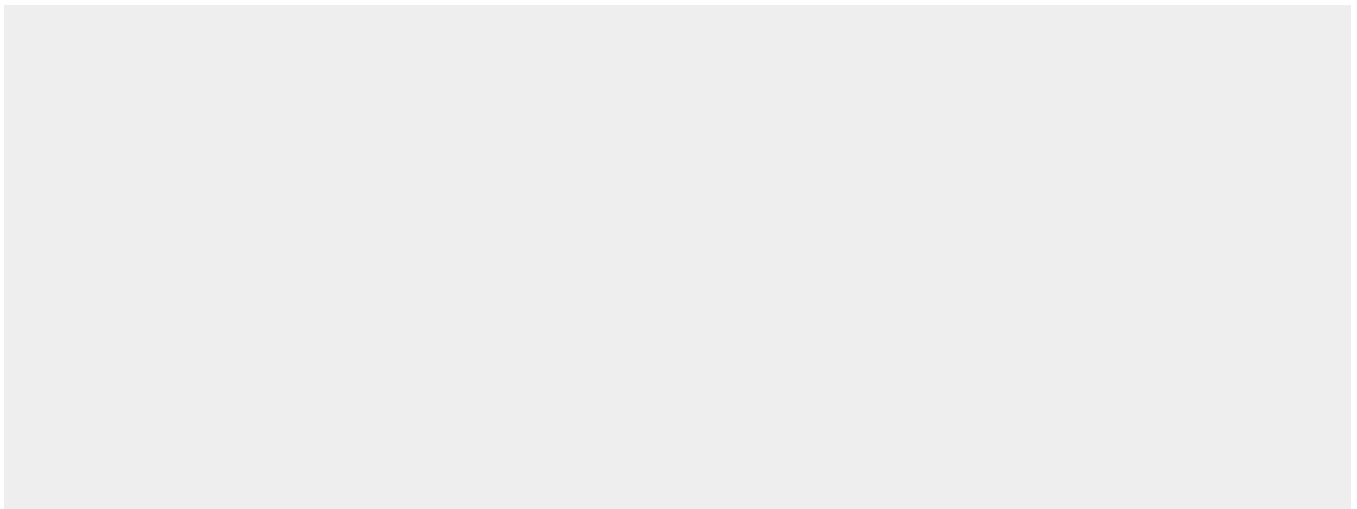
Expressed in platelets (at protein level).

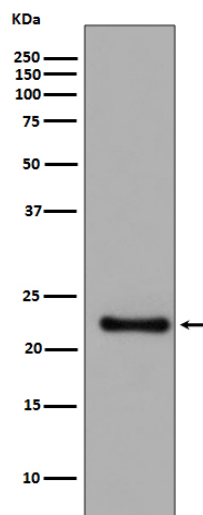
Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Images





Western blot analysis of GPX1 expression in SH SY5Y cell lysate.