

**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	<a href="#">P07203</a>
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 ([HGNC:4553](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=4553))

**Calculated MW**

22088 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>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 H<sub>2</sub>O<sub>2</sub>, 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).

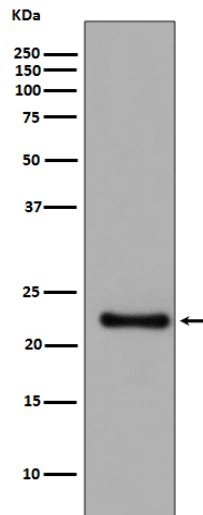
### Anti-GPX1/Glutathione Peroxidase 1 Rabbit Monoclonal Antibody - Protocols

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.