

**GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS12369**

### Specification

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#### GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - Product Information

Application	WB
Primary Accession	<a href="#">P07203</a>
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	22kDa KDa

#### GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - Additional Information

Gene ID 2876

#### Other Names

Glutathione peroxidase 1, GPx-1, GSHPx-1, 1.11.1.9, Cellular glutathione peroxidase, GPX1

#### Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

#### Precautions

GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) is for research use only and not for use in diagnostic or therapeutic procedures.

#### GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - 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).

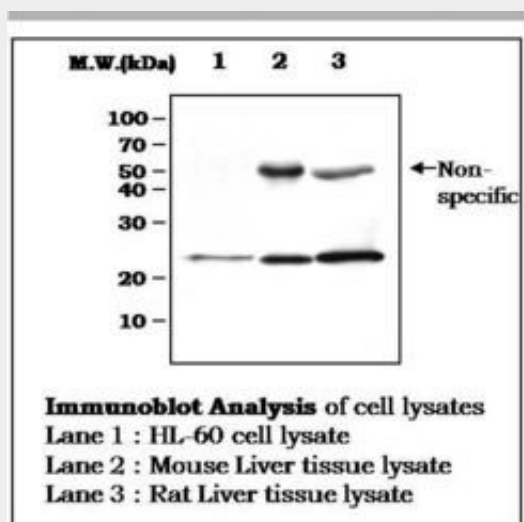
**Volume**

50  $\mu$ l

**GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - 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](#)

**GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - Images**

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**GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - Background**

Protects the hemoglobin in erythrocytes from oxidative breakdown.

**GPX1 / Glutathione Peroxidase Antibody (clone 13B2AF) - References**

- Sukenaga Y., et al. Nucleic Acids Res. 15:7178-7178(1987).  
Ishida K., et al. Nucleic Acids Res. 15:10051-10051(1987).  
Mullenbach G.T., et al. Nucleic Acids Res. 15:5484-5484(1987).  
Chada S., et al. Genomics 6:268-271(1990).  
Moscow J.A., et al. J. Biol. Chem. 267:5949-5958(1992).