

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

Application	WB, IHC-P, E, IP
Primary Accession	P07203
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Calculated MW	22kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A IP~~N/A

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 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).

Volume

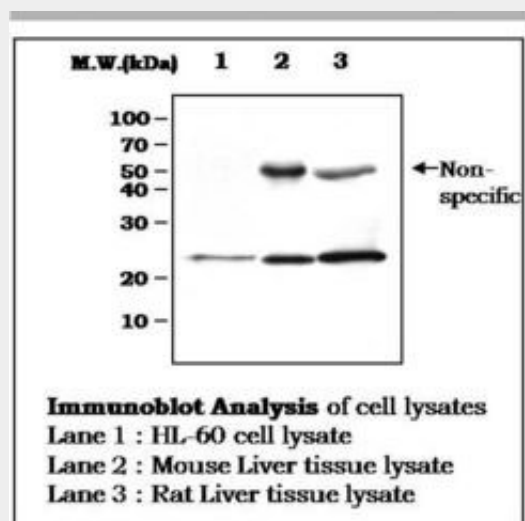
50 μ l

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).