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Anti-GPX1 / Glutathione Peroxidase Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18138

Product Information

Application	WB, IHC-P
Primary Accession	P07203
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	22088

Additional Information

Gene ID	2876
Alias Symbol	GPX1
Other Names	GPX1, Glutathione peroxidase, GSHPx-1, Glutathione peroxidase 1, GPx-1, GSHPX1, GPXD
Target/Specificity	Human GPX1 / Glutathione Peroxidase
Reconstitution & Storage	Affinity purified
Precautions	Anti-GPX1 / Glutathione Peroxidase Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPX1 (HGNC:4553)
Function	Catalyzes the reduction of hydroperoxides in a glutathione- dependent manner thus regulating cellular redox homeostasis (PubMed:11115402, PubMed: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, PubMed:36608588). In platelets catalyzes the reduction of 12-hydroperoxyeicosatetraenoic acid, the primary product of the arachidonate 12-lipoxygenase pathway (PubMed:11115402).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:P11352}. Mitochondrion {ECO:0000250|UniProtKB:P11352}
Tissue Location	Expressed in platelets (at protein level).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.