

Glutathione Peroxidase 1 Rabbit mAb

Catalog # AP76512

Product Information

Application	WB, IP, ICC
Primary Accession	P07203
Reactivity	Human, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22088

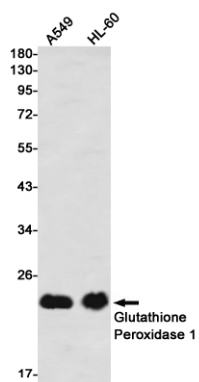
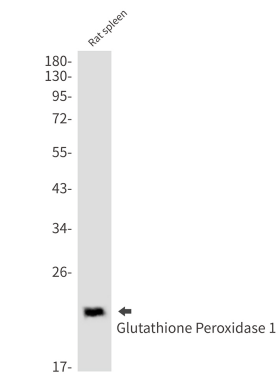
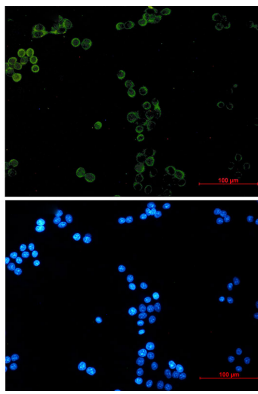
Additional Information

Gene ID	2876
Other Names	GPX1
Dilution	WB~~1/500-1/1000 IP~~1/20 ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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).

Images



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