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Glutathione Peroxidase 2 Rabbit mAb

Catalog # AP77078

Product Information

Application	WB, IHC-P
Primary Accession	P18283
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human Glutathione Peroxidase 2
Purification	Affinity Chromatography
Calculated MW	21954

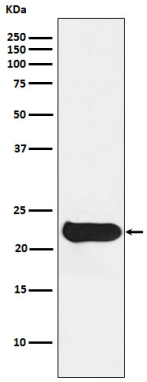
Additional Information

Gene ID	2877
Other Names	GPX2
Dilution	WB~~1/500-1/1000 IHC-P~~N/A
Format	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	GPX2 {ECO:0000303|Ref.9, ECO:0000312|HGNC:HGNC:4554}
Function	Catalyzes the reduction of hydroperoxides in a glutathione- dependent manner thus regulating cellular redox homeostasis (PubMed:36608588, PubMed:8428933). Can reduce small soluble hydroperoxides such as H2O2, cumene hydroperoxide and tert-butyl hydroperoxide, as well as several fatty acid-derived hydroperoxides (PubMed:36608588, PubMed:8428933). Cannot reduce phosphatidycholine hydroperoxide (PubMed:8428933).
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Mostly in liver and gastrointestinal tract, not found in heart or kidney.

Images



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