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Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody

Catalog # ABO15467

Product Information

Application	WB, IHC
Primary Accession	P18283
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

Additional Information

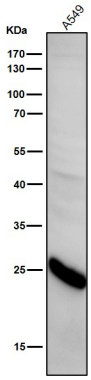
Gene ID	2877
Other Names	Glutathione peroxidase 2, GPx-2, GSHPx-2, 1.11.1.9, Gastrointestinal glutathione peroxidase, Glutathione peroxidase-gastrointestinal, GPx-GI, GSHPx-GI, Glutathione peroxidase-related protein 2, GPRP-2, Phospholipid hydroperoxide glutathione peroxidase GPX2, 1.11.1.12, GPX2 {ECO:0000303|Ref.9, ECO:0000312|HGNC:HGNC:4554}
Calculated MW	21954
Application Details	WB 1:500-1:2000 IHC 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 20G43
Immunogen	A synthesized peptide derived from human Glutathione Peroxidase 2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

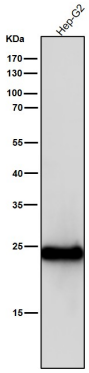
Name	GPX2 {ECO:0000303|Ref.9, ECO:0000312|HGNC:HGNC:4554}

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.

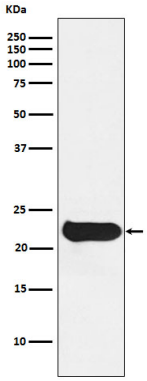
Images



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1k dilution for 1 hour at room temperature.



Western blot analysis of Glutathione Peroxidase 2 expression in Human stomach lysate.

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