

Glutathione Peroxidase 2 Antibody
Rabbit mAb
Catalog # AP92000**Specification****Glutathione Peroxidase 2 Antibody - Product Information**

Application	WB, IHC
Primary Accession	P18283
Clonality	Monoclonal
Other Names	
GPx; GPRP; GPRP-2; GPx-GI; GPX2; GSHPx 2; GSHPx GI; GSHPx-2; GSHPx-GI;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	21954 Da

Glutathione Peroxidase 2 Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Glutathione Peroxidase 2
Description	Could play a major role in protecting mammals from the toxicity of ingested organic hydroperoxides. Tert-butyl hydroperoxide, cumene hydroperoxide and linoleic acid hydroperoxide but not phosphatidycholine hydroperoxide, can act as acceptors.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Glutathione Peroxidase 2 Antibody - 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.

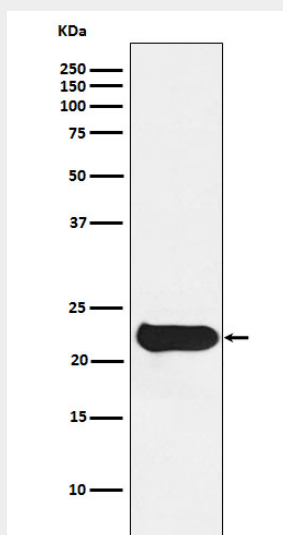
Tissue Location

Mostly in liver and gastrointestinal tract, not found in heart or kidney.

Glutathione Peroxidase 2 Antibody - 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](#)

Glutathione Peroxidase 2 Antibody - Images

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