

Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody
Catalog # ABO15467**Specification****Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody - 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.

Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody - 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}

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

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.

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.

Anti-Glutathione Peroxidase 2 Rabbit Monoclonal 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 phosphatidylcholine hydroperoxide (PubMed:8428933).

Cellular Location

Cytoplasm, cytosol.

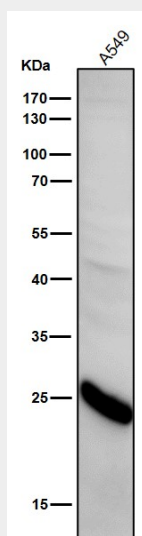
Tissue Location

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

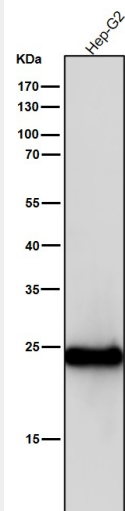
Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

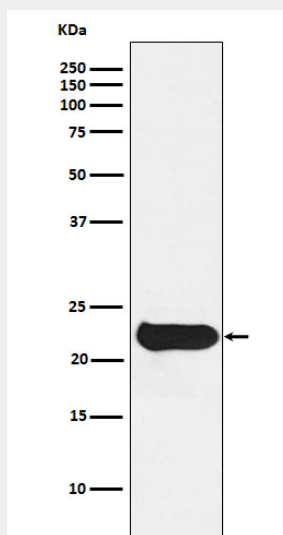
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Glutathione Peroxidase 2 Rabbit Monoclonal Antibody - 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.