

ARG59621 anti-GPX2 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes GPX2
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	GPX2
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 100-180 of Human GPX2 (NP_002074.2).
Conjugation	Un-conjugated
Alternate Names	GI-GPx; GPRP; Glutathione peroxidase 2; GPx-2; EC 1.11.1.9; GPx-GI; GSHPX-GI; GSHPx-2; GSHPx-GI; Glutathione peroxidase-gastrointestinal; GPRP-2; Gastrointestinal glutathione peroxidase; Glutathione peroxidase-related protein 2

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse stomach and HT-29	
Observed Size	21 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

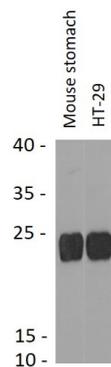
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GPX2
Gene Full Name	glutathione peroxidase 2
Background	This gene is a member of the glutathione peroxidase family and encodes a selenium-dependent glutathione peroxidase that is one of two isoenzymes responsible for the majority of the glutathione-dependent hydrogen peroxide-reducing activity in the epithelium of the gastrointestinal tract. The protein encoded by this locus contains a selenocysteine (Sec) residue encoded by the UGA codon, which normally signals translation termination. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2012]
Function	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 phosphatidylcholine hydroperoxide, can act as acceptors. [UniProt]
Calculated Mw	22 kDa
Cellular Localization	Cytoplasm. Note=Mainly cytoplasmic. [UniProt]

Images



ARG59621 anti-GPX2 antibody WB image

Western blot: 25 µg of Mouse stomach and HT-29 cell lysates stained with ARG59621 anti-GPX2 antibody at 1:1000 dilution.