

ARG64038 anti-GPX4 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes GPX4
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Pig
Tested Application	IHC-P, IP, WB
Specificity	This antibody is expected to recognise isoform A (NP_002076.2) and isoform C (NP_001034937.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	GPX4
Species	Human
Immunogen	C-EEPLVIEKDLPHY
Conjugation	Un-conjugated
Alternate Names	Phospholipid hydroperoxide glutathione peroxidase, mitochondrial; EC 1.11.1.12; MCSP; PHGPx; GSHPx-4; Glutathione peroxidase 4; GPx-4; snPHGPx; snGPx

Application Instructions

Application table	Application	Dilution
	IHC-P	0.3 - 1 µg/ml
	IP	Assay - dependent
	WB	0.1 - 0.3 µg/ml
Application Note	IHC-P: Antigen Retrieval: Microwaved tissue section in Citrate buffer (pH 6.0). WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml

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 or below. 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

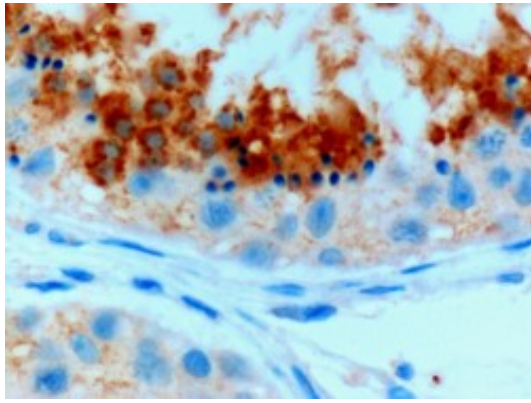
Database links	GeneID: 2879 Human Swiss-port # P36969 Human
Background	<p>Glutathione peroxidase catalyzes the reduction of hydrogen peroxide, organic hydroperoxide, and lipid peroxides by reduced glutathione and functions in the protection of cells against oxidative damage. Human plasma glutathione peroxidase has been shown to be a selenium-containing enzyme and the UGA codon is translated into a selenocysteine. Through alternative splicing and transcription initiation, rat produces proteins that localize to the nucleus, mitochondrion, and cytoplasm. In humans, experimental evidence for alternative splicing exists; alternative transcription initiation and the cleavage sites of the mitochondrial and nuclear transit peptides need to be experimentally verified. [provided by RefSeq, Jul 2008]</p>
Highlight	<p>Related products: GPX4 antibodies; GPX4 Duos / Panels; Anti-Goat IgG secondary antibodies; Related news: Ferroptosis/Oxytosis Antibody Panel is launched Therapeutic strategies against PDAC</p>
Research Area	Ferroptosis/Oxytosis Study antibody
Calculated Mw	22 kDa

Images



ARG64038 anti-GPX4 antibody WB image

Western Blot: Human Testis lysate (35 µg protein in RIPA buffer) stained with ARG64038 anti-GPX4 (Isoform a and c) antibody at 0.1 µg/ml dilution.



ARG64038 anti-GPX4 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Testis.
(Microwaved antigen retrieval with citrate buffer pH 6) stained with
ARG64038 anti-GPX4 (Isoform a and c) antibody at 0.3 µg/ml
dilution followed by HRP-staining.