Datasheet for ABIN2787700

anti-GPX4 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	GPX4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio), Guinea Pig, Cow, Goat, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPX4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human GPX4
Sequence:	QUGKTEVNYT QLVDLHARYA ECGLRILAFP CNQFGKQEPG SNEEIKEFAA
Predicted Reactivity:	Cow: 86%, Goat: 86%, Guinea Pig: 86%, Human: 100%, Mouse: 86%, Rat: 86%, Yeast: 93%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against GPX4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	GPX4

Target Details

Alternative Name:	GPX4 (GPX4 Products)
Background:	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.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. Alias Symbols: MCSP, PHGPx, snGPx, snPHGPx Protein Interaction Partner: UBC, PRDX6, MAPK13, OTUD5, Protein Size: 197
Molecular Weight:	22 kDa
Gene ID:	2879
NCBI Accession:	NM_002085, NP_002076
UniProt:	P36969

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 197 AA
Restrictions:	For Research Use only

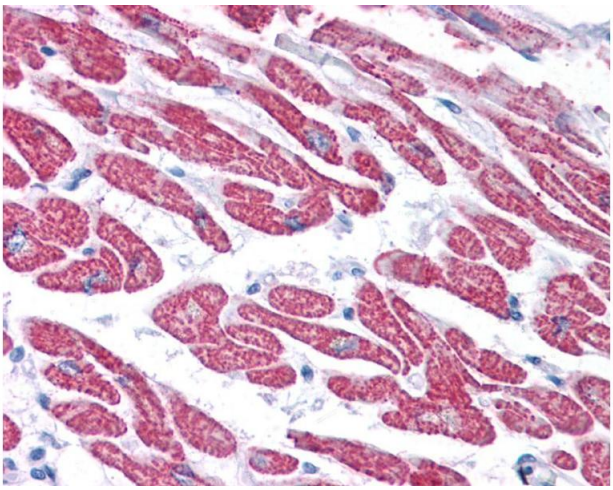
Handling

Format:	Liquid

Handling

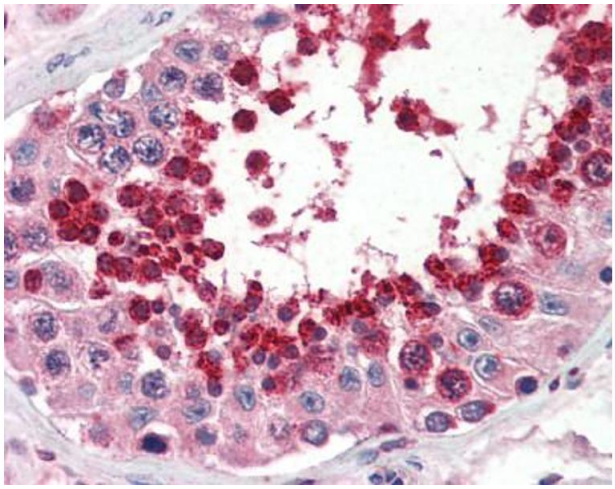
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Immunohistochemistry

Image 1.



Immunohistochemistry

Image 2.

