

Datasheet for ABIN7163350
anti-GPX4 antibody (AA 74-197) (Biotin)



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Overview

Quantity:	100 µg
Target:	GPX4
Binding Specificity:	AA 74-197
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPX4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Phospholipid hydroperoxide glutathione peroxidase, mitochondrial protein (74-197AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	GPX4
Alternative Name:	GPX4 (GPX4 Products)
Background:	Background: Protects cells against membrane lipid peroxidation and cell death. Required for

Target Details

normal sperm development and male fertility. Could play a major role in protecting mammals from the toxicity of ingested lipid hydroperoxides. Essential for embryonic development. Protects from radiation and oxidative damage. Essential for maturation and survival of photoreceptor cells. Plays a role in a primary T cell response to viral and parasitic infection by protecting T cells from ferroptosis, a cell death resulting from an iron-dependent accumulation of lipid reactive oxygen species, and by supporting T cell expansion.

Aliases: Glutathione peroxidase 4 antibody, GPX 4 antibody, GPX-4 antibody, GPX4 antibody, GPX4_HUMAN antibody, GSHPx-4 antibody, MCSP antibody, mitochondrial antibody, PHGPx antibody, Phospholipid hydroperoxidase antibody, Phospholipid hydroperoxide glutathione peroxidase antibody, Phospholipid hydroperoxide glutathione peroxidase mitochondrial antibody, snGPx antibody, snPHGPx antibody, Sperm nucleus glutathione peroxidase antibody

UniProt: [P36969](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.