

GPX4

Reactivity: Human Mouse Rat

Tested applications: WB IHC IF

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:10 - 1:100

Calculated MW: 22kDa

Observed MW: Refer to Figures

Immunogen:

Recombinant protein of human GPX4

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

MCSP; GPx-4; PHGPx; snGPx; GSHPx-4; snPHGPx;

Catalog #: A1933

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2879

Isotype: IgG

Swiss Prot: P36969

Purity: Affinity purification

For research use only.

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. [provided by RefSeq, Jul 2008]

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