

GPX1

Reactivity: Human Mouse

Tested applications: WB IHC IF FC

Recommended Dilution: WB 1:500 - 1:1000 IHC 1:50 - 1:100 IF 1:20 - 1:50 FC 1:20 - 1:50

Calculated MW: 22kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human GPX1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

bi

Synonym:

GPXD; GSHPX1;

Catalog #: A0873

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2876

Isotype: IgG

Swiss Prot: P07203

Purity: Affinity purification

For research use only.

Background:

This gene encodes a member of the glutathione peroxidase family. Glutathione peroxidase functions in the detoxification of hydrogen peroxide, and is one of the most important antioxidant enzymes in humans. This protein is one of only a few proteins known in higher vertebrates to contain selenocysteine, which occurs at the active site of glutathione peroxidase and is coded by UGA, that normally functions as a translation termination codon. In addition, this protein is characterized in a polyalanine sequence polymorphism in the N-terminal region, which includes three alleles with five, six or seven alanine (ALA) repeats in this sequence. The allele with five ALA repeats is significantly associated with breast cancer risk. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

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