

## 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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