

**GPX3 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11221c****Specification**

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**GPX3 Antibody (Center) Blocking peptide - Product Information**Primary Accession [P22352](#)**GPX3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 2878**Other Names**

Glutathione peroxidase 3, GPx-3, GSHPx-3, Extracellular glutathione peroxidase, Plasma glutathione peroxidase, GPx-P, GSHPx-P, GPX3, GPXP

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**GPX3 Antibody (Center) Blocking peptide - Protein Information****Name** GPX3 ([HGNC:4555](#))**Synonyms** GPXP**Function**

Protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione.

**Cellular Location**

Secreted.

**Tissue Location**

Secreted in plasma.

**GPX3 Antibody (Center) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **GPX3 Antibody (Center) Blocking peptide - Images**

#### **GPX3 Antibody (Center) Blocking peptide - Background**

This gene product belongs to the glutathione peroxidase family, which functions in the detoxification of hydrogen peroxide. It contains a selenocysteine (Sec) residue at its active site. This selenocysteine is encoded by the UGA codon, which normally signals translation termination. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal.

#### **GPX3 Antibody (Center) Blocking peptide - References**

Wang, J.Y., et al. Clin. Chim. Acta 411 (19-20), 1432-1436 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Fullerton, J.M., et al. Bipolar Disord 12(5):550-556(2010) Wang, Y., et al. J. Hum. Genet. 55(8):490-494(2010) Mistry, H.D., et al. Placenta 31(5):401-408(2010)