



Rabbit Anti-Human GPX1 monoclonal antibody, clone L.274.3 (CABT-L1327)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	GPX1
Immunogen	Synthetic peptide corresponding to the sequence of human GPX1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	L.274.3
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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
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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.

Keywords	GPX1;glutathione peroxidase 1;GPXD;GSHPX1;GPx-1;GSHPx-1;cellular glutathione peroxidase
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GENE INFORMATION

Entrez Gene ID	2876
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UniProt ID	P07203
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