



Anti-GPX3 polyclonal antibody (DPAB-DC1449)

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

PRODUCT INFORMATION

Antigen Description	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. The 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.
Specificity	This antibody may cross-react with epididymis-specific GPX5 and olfactory epithelium-specific GPX6.
Immunogen	A synthetic peptide corresponding to human GPX3. The sequence is C-NQFGKQEPGENSE
Source/Host	Goat
Species Reactivity	Mouse
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Tissue lysate), ELISA,
Format	Liquid
Concentration	0.5 mg/mL
Size	100 µg
Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Preservative	0.02% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	GPX3 glutathione peroxidase 3 (plasma) [Homo sapiens (human)]
Official Symbol	GPX3
Synonyms	GPX3; glutathione peroxidase 3 (plasma); GPx-P; GSHPx-3; GSHPx-P; glutathione peroxidase 3; GPx-3; plasma glutathione peroxidase; extracellular glutathione peroxidase;
Entrez Gene ID	2878
Protein Refseq	NP_002075
UniProt ID	P22352
Chromosome Location	5q23
Pathway	Arachidonic acid metabolism; Cellular responses to stress; Folate Metabolism; Glutathione metabolism
Function	glutathione peroxidase activity; selenium binding; transcription factor binding;