

Rabbit antibody to glutathione peroxidase 3 (GPx-P; 135-154): whole serum

Catalogue No.:	R-171-100
Description:	GPx-P belongs to the glutathione peroxidase family which are responsible for the detoxification of hydrogen peroxide. It protects cells and enzymes from oxidative damage, by catalyzing the reduction of hydrogen peroxide, lipid peroxides and organic hydroperoxide, by glutathione. GPx-P is secreted in plasma and exists as a homotetramer.
Batch No.:	See product label
Unit size:	100 uL
Antigen:	A synthetic peptide (FEKGDVNGEKEQKFYFLKN) corresponding to the amino acids 135-154 of human glutathione peroxidase 3 (GPx-P) conjugated to diphtheria toxin has been used as the immunogen. The peptide is homologous with the corresponding sequence derived from glutathione peroxidase 3 (GPx-P) protein in mouse, rat, orangutan and bovine.
Other Names:	Extracellular glutathione peroxidase; GPx-P; GSHPx-3; GPx-3; Plasma glutathione peroxidase; GSHPx-P; GPX3; GXP
Accession:	GPX3_HUMAN
Produced in:	Rabbit
Purity:	Whole serum
Applications:	IHC, only. A dilution of 1: 1000 to 1: 5000 is recommended for immunohistochemistry depending on detection method but end user will need to determine dilution to suit application. Antigen retrieval is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	This antibody has been shown to be specific for glutathione peroxidase 3 protein (GPx-P) through staining and blocking studies.
Cross-reactivity:	Human and rat, other species have not yet been tested.
Form:	Lyophilised
Reconstitution:	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
Storage:	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles.
Expiry Date:	12 months after purchase
References:	1. Takahashi K, et al. J. Biochem. 108:145-148(1990). 2. Chu F.-F, et al. Blood 79:3233-3238(1992).

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