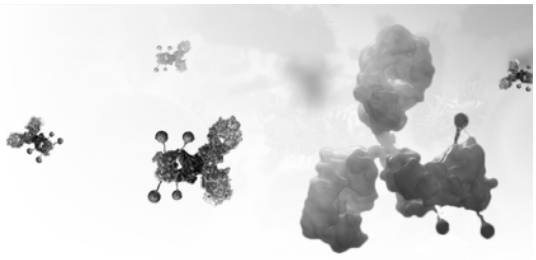

GSTP1 blocking peptide (CDBP5513)

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

PRODUCT INFORMATION

Antigen Description	Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq, Jul 2008]
Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 μg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	GSTP1 glutathione S-transferase pi 1 [Homo sapiens (human)]
Official Symbol	GSTP1
Synonyms	GSTP1; glutathione S-transferase pi 1; PI; DFN7; GST3; GSTP; FAEES3; HEL-S-22; glutathione S-transferase P; GSTP1-1; GST class-pi; deafness, X-linked 7; epididymis secretory protein Li 22; fatty acid ethyl ester synthase III

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Entrez Gene ID	2950
mRNA Refseq	NM_000852
Protein Refseq	NP_000843
UniProt ID	P09211
Pathway	4-hydroxy-2-nonenal detoxification; Arachidonate Epoxygenase / Epoxide Hydrolase; Biological oxidations; Cellular responses to stress; Chemical carcinogenesis; Detoxification of Reactive Oxygen Species; Diurnally regulated genes with circadian orthologs; Drug metabolism - cytochrome P450
Function	JUN kinase binding; S-nitrosoglutathione binding; dinitrosyl-iron complex binding; glutathione transferase activity; kinase regulator activity; nitric oxide binding; protein binding

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