

For Research Use Only

GSTP1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86708-1-PBS



Basic Information

Catalog Number: 86708-1-PBS	GenBank Accession Number: BC010915	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2950	CloneNo.: 251705C10
Source: Rabbit	UNIPROT ID: P09211	
Isotype: IgG	Full Name: glutathione S-transferase pi 1	
Immunogen Catalog Number: AG8731	Calculated MW: 210 aa, 23 kDa	
	Observed MW: 23~28 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Glutathione S-transferase Pi (GSTP1) is an isozyme encoded by the GST pi gene that plays an important regulatory role in detoxification, anti-oxidative damage, and the occurrence of various diseases (PMID: 14755684). GSTP1 conjugates reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. It is involved in the formation of glutathione conjugates of both prostaglandin A2 (PGA2) and prostaglandin J2 (PGJ2) (PMID: 9084911). GSTP1 methylation is frequently associated with tumor development or poor prognosis in a wide range of tumors such as neuroblastoma, hepatocellular carcinoma, endometrial, breast, and prostate cancers (PCa) (PMID: 27594734).

Storage

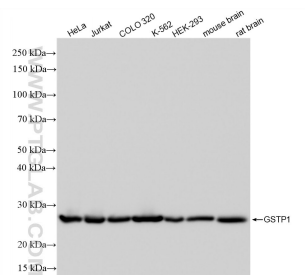
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

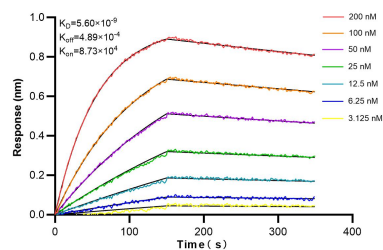
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86708-1-RR (GSTP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86708-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86708-1-RR against Human GSTP1 were performed. The affinity constant is 5.60 nM.