

For Research Use Only

GSTP1 Recombinant monoclonal antibody

Catalog Number: 86708-1-RR

1 Publications



Basic Information

Catalog Number:	86708-1-RR	GenBank Accession Number:	BC010915	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	2950	CloneNo.:	251705C10
Source:	Rabbit	UNIPROT ID:	P09211	Recommended Dilutions:	WB: 1:5000-1:50000 IF/ICC: 1:250-1:1000
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, IF/ICC, ELISA	Positive Controls:	
Cited Applications:	WB	WB :	HeLa cells, Jurkat cells, COLO 320 cells, K-562 cells, HEK-293 cells, mouse brain tissue, rat brain tissue
Species Specificity:	human, mouse, rat	IF/ICC :	Jurkat cells,
Cited Species:	human		

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhongqi Pang	41514678	Cancers (Basel)	WB

Storage

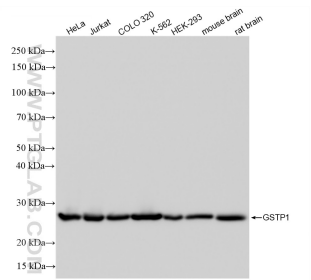
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

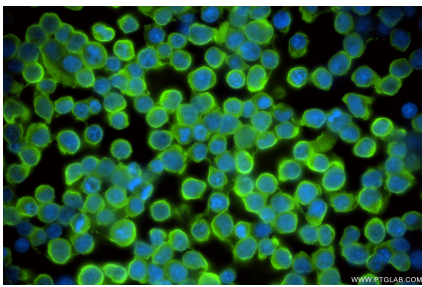
For technical support and original validation data for this product please contact:
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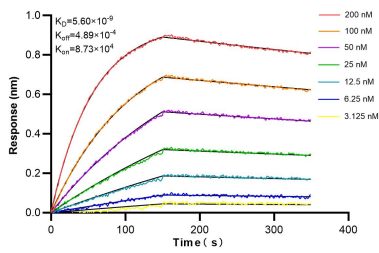
Selected Validation Data



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.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using GSTP1 antibody (86708-1-RR, Clone: 251705C10) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



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