

For Research Use Only

GSTP1 Recombinant monoclonal antibody

Catalog Number: 86708-1-RR

1 Publications



Basic Information

Catalog Number:

86708-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8731

GenBank Accession Number:

BC010915

GeneID (NCBI):

2950

UNIPROT ID:

P09211

Full Name:

glutathione S-transferase pi 1

Calculated MW:

210 aa, 23 kDa

Observed MW:

23~28 kDa

Purification Method:

Protein A purification

CloneNo.:

251705C10

Recommended Dilutions:

WB: 1:5000-1:50000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : HeLa cells, Jurkat cells, COLO 320 cells, K-562 cells, HEK-293 cells, mouse brain tissue, rat brain tissue

IF/ICC : Jurkat cells,

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

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

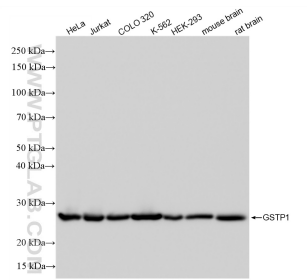
T: 4006900926

E: Proteintech-CN@ptglab.com

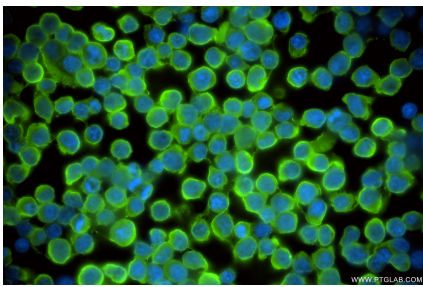
W: ptgcn.com

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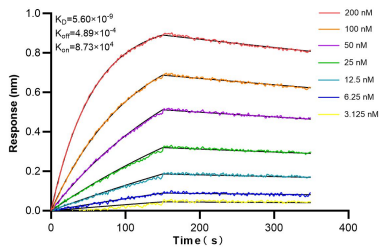
Selected Validation Data



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.