

For Research Use Only

GSTP1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86708-1-PBS



Basic Information

Catalog Number:

86708-1-PBS

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

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

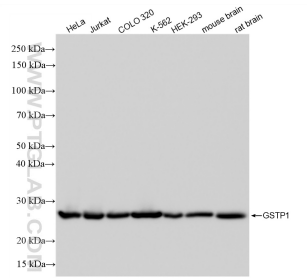
T: 4006900926

E: Proteintech-CN@ptglab.com

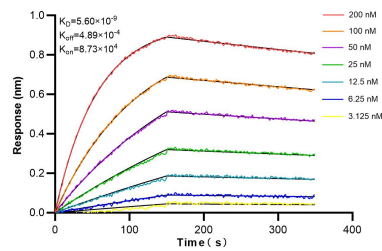
W: ptgcn.com

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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. 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.