

For Research Use Only

Multi-rAb® GSTP1 Multi-Recombinant antibody

Catalog Number: RMX00121



Basic Information

Catalog Number: RMX00121	GenBank Accession Number: BC010915	Purification Method: N/A
Size: 100ul , Concentration: 1060 µg/ml by Nanodrop;	GeneID (NCBI): 2950	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:400-1:1600 IF/ICC: 1:250-1:1000
Source: Rabbit	UNIPROT ID: P09211	
Isotype: IgG	Full Name: glutathione S-transferase pi 1 Calculated MW: 210 aa, 23 kDa Observed MW: 23 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Species Specificity:
human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : Jurkat cells, mouse brain tissue, rat brain tissue

IHC : mouse skin 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).

Storage

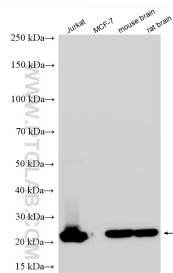
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

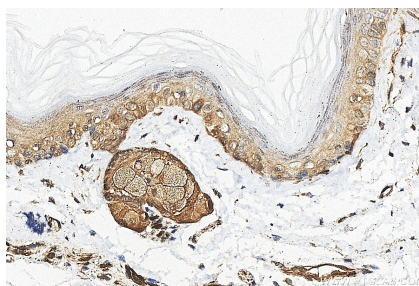
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

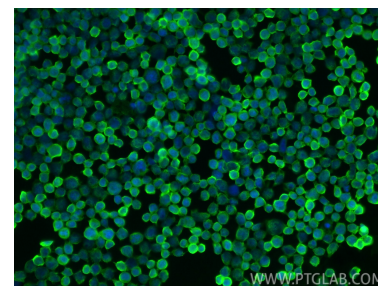
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with RMX00121 (GSTP1 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skin tissue slide using RMX00121 (GSTP1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using GSTP1 antibody (RMX00121) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).