

For Research Use Only

GSTT1 Monoclonal antibody

Catalog Number: 67645-1-Ig



Basic Information

Catalog Number: 67645-1-Ig	GenBank Accession Number: BC007065	Purification Method: Protein A purification
Size: 150ul, Concentration: 2200 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2952	CloneNo.: 1A4C11
Source: Mouse	UNIPROT ID: P30711	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000 IF-P 1:200-1:800
Isotype: IgG2b	Full Name: glutathione S-transferase theta 1	
Immunogen Catalog Number: AG8573	Calculated MW: 240 aa, 27 kDa	
	Observed MW: 28 kDa, 30 kDa	

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

Human, pig, mouse

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 : pig lung tissue, pig liver tissue, K-562 cells, rat liver tissue, mouse brain tissue

IHC : mouse liver tissue,

IF-P : mouse liver tissue,

Background Information

GSTT1 belongs to the GST superfamily and Theta family. It is a conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. GSTT1 acts on 1,2-epoxy-3-(4-nitrophenoxy)propane, phenethylisothiocyanate 4-nitrobenzyl chloride and 4-nitrophenethyl bromide. It displays glutathione peroxidase activity with cumene hydroperoxide. GSTM1 and GSTT1 has been suggested as a risk factor in various cancers. GSTT1 is important in the detoxification of unidentified xenobiotics in the large intestine.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

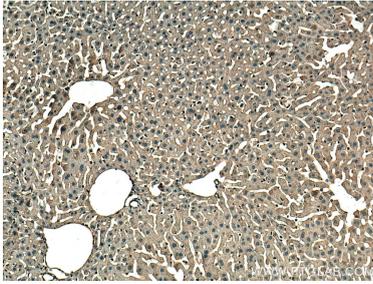
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

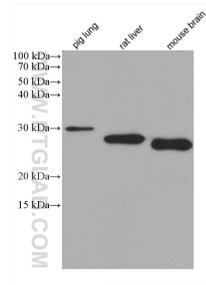
E: proteintech@ptglab.com
W: ptglab.com

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

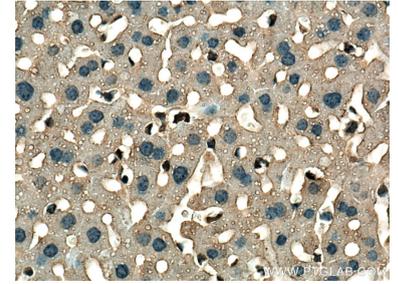
Selected Validation Data



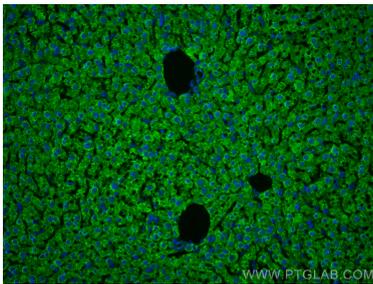
Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67645-1-Ig (GSTT1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



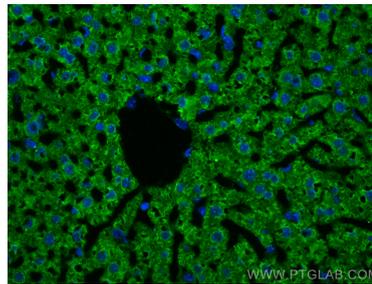
Various lysates were subjected to SDS PAGE followed by western blot with 67645-1-Ig (GSTT1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 67645-1-Ig (GSTT1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using GSTT1 antibody (67645-1-Ig, Clone: 1A4C11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse liver tissue using GSTT1 antibody (67645-1-Ig, Clone: 1A4C11) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).