

For Research Use Only

GSTT1 Polyclonal ANTIBODY



Catalog Number: 15838-1-AP **6 Publications**

Basic Information

Catalog Number: 15838-1-AP	GenBank Accession Number: BC007065	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 2952	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: glutathione S-transferase theta 1	
Isotype: IgG	Calculated MW: 240 aa, 27 kDa	
Immunogen Catalog Number: AG8588	Observed MW: 28 kDa, 30 kDa	

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

hamster, human, 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: human brain tissue, HepG2 cells, mouse brain tissue, mouse liver tissue, rat liver tissue

IHC: human liver tissue, human brain tissue, human heart tissue, human kidney tissue, human lung tissue, human ovary tissue, human skin tissue, human spleen tissue, human testis 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Lingyi Zhang	26423826	J Occup Health	IHC
Stephanie A Zlatic	29397366	Cell Syst	
Min Wei	25711234	Toxicol Sci	IHC

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

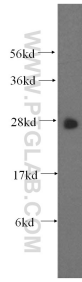
For technical support and original validation data for this product please contact:

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

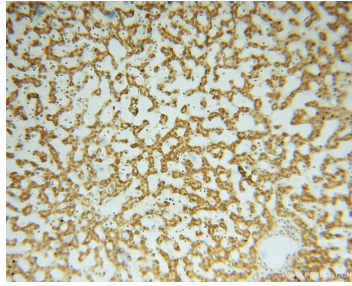
E: proteintech@ptglab.com
W: ptglab.com

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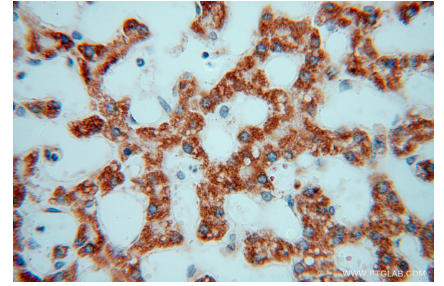
Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 15838-1-AP (GSTT1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 15838-1-AP (GSTT1 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 15838-1-AP (GSTT1 antibody) at dilution of 1:50 (under 40x lens).