

For Research Use Only

GSTT1 Polyclonal antibody

Catalog Number: 15838-1-AP

Featured Product

11 Publications



Basic Information

Catalog Number:

15838-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 133 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8588

GenBank Accession Number:

BC007065

GeneID (NCBI):

2952

UNIPROT ID:

P30711

Full Name:

glutathione S-transferase theta 1

Calculated MW:

240 aa, 27 kDa

Observed MW:

28 kDa, 30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig, hamster

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, rat liver tissue, mouse brain tissue, mouse liver tissue, HepG2 cells

IHC: human kidney tissue, human testis tissue, human skin tissue, human spleen tissue, human lung tissue, human heart 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
Ming-Wei Lin	36135183	Curr Issues Mol Biol	WB
Roderick N Carter	34758301	Cell Rep	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

*** 20ul sizes contain 0.1% BSA

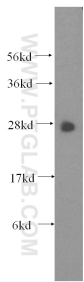
For technical support and original validation data for this product please contact:

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

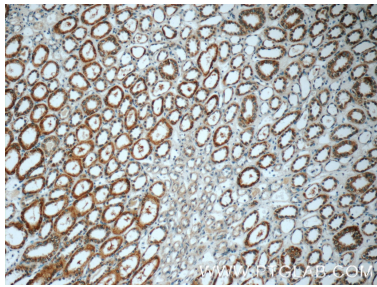
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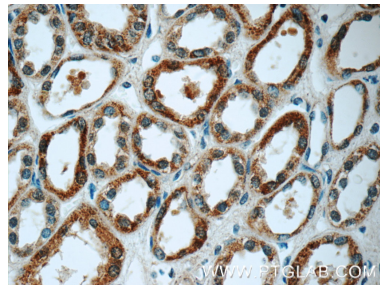
Selected Validation Data



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 kidney tissue slide using 15838-1-AP (GSTT1 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 15838-1-AP (GSTT1 Antibody) at dilution of 1:50 (under 40x lens).