

## GSTT1 Polyclonal antibody

Catalog Number: 15838-1-AP

Featured Product

9 Publications

## Basic Information

## Catalog Number:

15838-1-AP

## Size:

200 µg/ml

## 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:

IHC, WB, ELISA

## Cited Applications:

WB, IHC

## 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, 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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

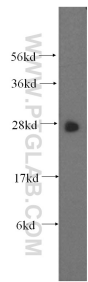
For technical support and original validation data for this product please contact:

T: 4006900926

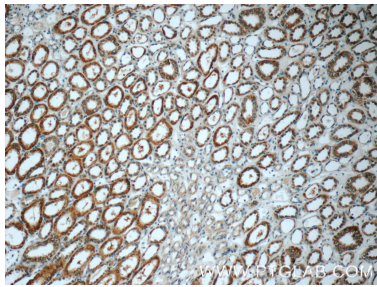
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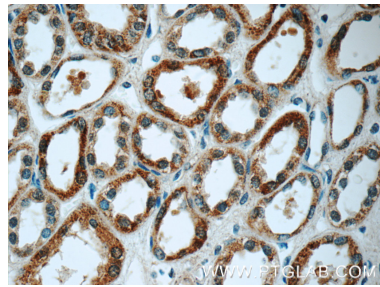
Selected Validation Data



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).