

For Research Use Only

GSTM4 Polyclonal antibody

Catalog Number: 16766-1-AP

4 Publications



Basic Information

Catalog Number:

16766-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 167 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10340

GenBank Accession Number:

BC015513

GeneID (NCBI):

2948

UNIPROT ID:

Q03013

Full Name:

glutathione S-transferase mu 4

Calculated MW:

218 aa, 26 kDa

Observed MW:

26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse, rat

Cited Species:

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 : mouse liver tissue, HeLa cells, mouse lung tissue

IP : mouse lung tissue,

IHC : human colon cancer tissue, human cervical cancer tissue

IF/ICC : HepG2 cells,

Notable Publications

Author	Pubmed ID	Journal	Application
Rojanathammanee Lalida L	24285747	J Gerontol A Biol Sci Med Sci	WB
Lalida Rojanathammanee	25001375	Age (Dordr)	WB
Wei Liu	36928896	Reprod Sci	WB,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

*** 20ul sizes contain 0.1% BSA

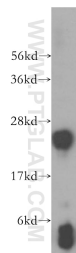
For technical support and original validation data for this product please contact:

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

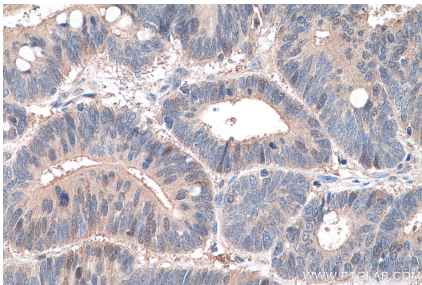
E: proteintech@ptglab.com
W: ptglab.com

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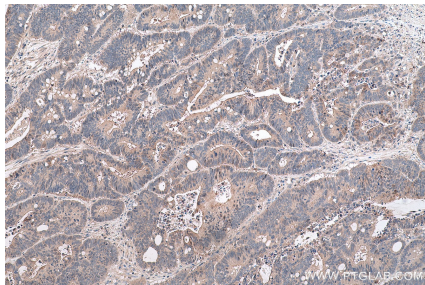
Selected Validation Data



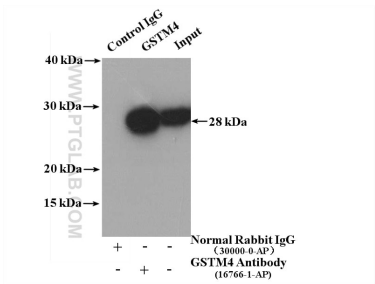
mouse liver tissue were subjected to SDS PAGE followed by western blot with 16766-1-AP (GSTM4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



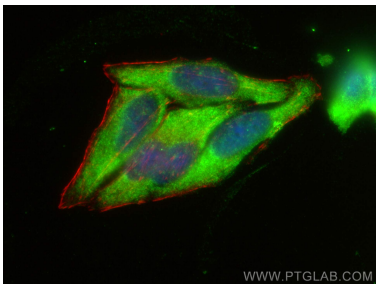
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16766-1-AP (GSTM4 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 16766-1-AP (GSTM4 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-GSTM4 (IP:16766-1-AP, 4ug; Detection:16766-1-AP 1:500) with mouse lung tissue lysate 4000 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GSTM4 antibody (16766-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).