

For Research Use Only

TGM2 Polyclonal antibody

Catalog Number: 15100-1-AP

Featured Product

33 Publications



Basic Information

Catalog Number:

15100-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7439

GenBank Accession Number:

BC003551

GeneID (NCBI):

7052

ENSEMBL Gene ID:

ENSG00000198959

UNIPROT ID:

P21980

Full Name:

transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)

Calculated MW:

77 kDa

Observed MW:

77-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF, IP, ChIP

Species Specificity:

human

Cited Species:

human, mouse, canine

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: HUVEC cells, HepG2 cells, BxPC-3 cells, HeLa cells, A549 cells, K-562 cells

IP: HeLa cells,

IHC: human liver cancer tissue,

Notable Publications

Author	Pubmed ID	Journal	Application
Di Ye	34006301	J Exp Clin Cancer Res	WB
Katsutaka Mitachi	33753854	Sci Rep	IHC
Chunqing Wang	32572027	Nat Commun	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

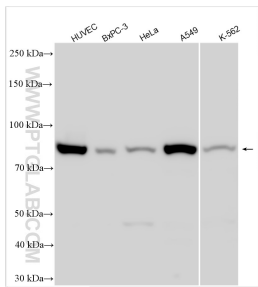
For technical support and original validation data for this product please contact:

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

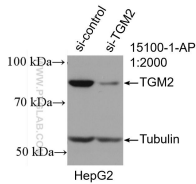
E: proteintech@ptglab.com
W: ptglab.com

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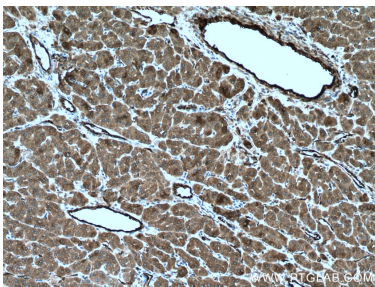
Selected Validation Data



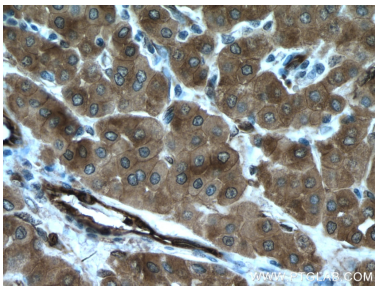
Various lysates were subjected to SDS PAGE followed by western blot with 15100-1-AP (TGM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



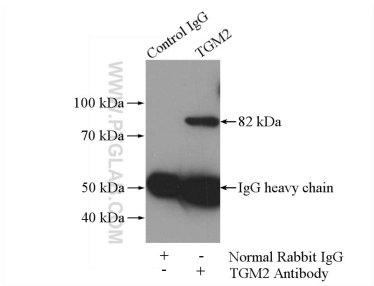
WB result of TGM2 antibody (15100-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-TGM2 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15100-1-AP (TGM2 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15100-1-AP (TGM2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-TGM2 (IP:15100-1-AP, 4ug; Detection:15100-1-AP 1:400) with HeLa cells lysate 1200ug.