

For Research Use Only

TGM2 Monoclonal antibody

Catalog Number: 68006-1-Ig **3 Publications**



Basic Information

Catalog Number: 68006-1-Ig	GenBank Accession Number: BC003551	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7052	CloneNo.: 2D4C11
Source: Mouse	ENSEMBL Gene ID: ENSG00000198959	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:2000-1:8000 IF/ICC 1:400-1:1600
Isotype: IgG2a	UNIPROT ID: P21980	
Immunogen Catalog Number: AG7462	Full Name: transglutaminase 2 (C polypeptide, protein-glutamine-gamma-glutamyltransferase)	
	Calculated MW: 77 kDa	
	Observed MW: 80 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : HeLa cells, human placenta tissue, HUVEC cells, HepG2 cells, K-562 cells
Species Specificity: human	IHC : human liver cancer tissue,
Cited Species: human, mouse	IF/ICC : A549 cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Notable Publications

Author	Pubmed ID	Journal	Application
Menghao Shi	35245730	Biomaterials	IF
Riham Ayoubi	39220380	F1000Res	
Shan-Shan Li	38734063	Transl Res	WB,IHC

Storage

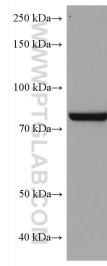
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

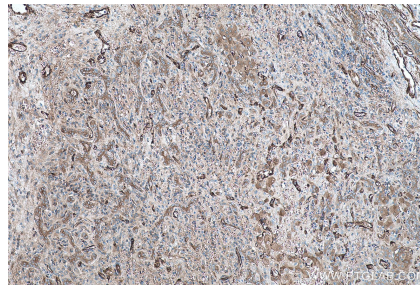
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

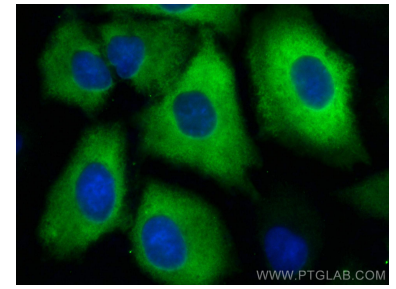
Selected Validation Data



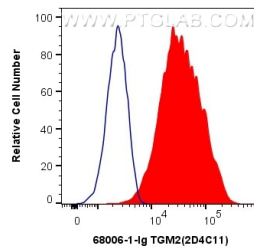
HeLa cells were subjected to SDS PAGE followed by western blot with 68006-1-Ig (TGM2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 68006-1-Ig (TGM2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using TGM2 antibody (68006-1-Ig, Clone: 2D4C11) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human TGM2 (68006-1-Ig, Clone:2D4C11) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).