

For Research Use Only

TGM2 Monoclonal antibody

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



Basic Information

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

Applications

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

Background Information

Notable Publications

Author	Pubmed ID	Journal	Application
Menghao Shi	35245730	Biomaterials	IF

Storage

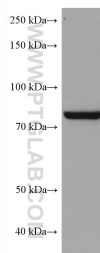
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

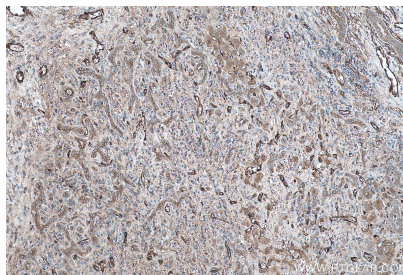
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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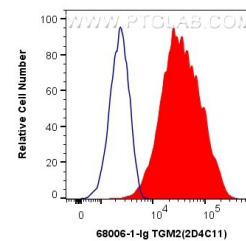
Selected Validation Data



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).



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).