

For Research Use Only

IGFBP3 Monoclonal antibody

Catalog Number: 68402-1-Ig



Basic Information

Catalog Number: 68402-1-Ig	GenBank Accession Number: BC000013	Purification Method: Caprylic acid/ammonium sulfate precipitation
Size: 150ul , Concentration: 500 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3486	CloneNo.: 1A12A11
Source: Mouse	UNIPROT ID: P17936	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgM	Full Name: insulin-like growth factor binding protein 3	
Immunogen Catalog Number: AG20351	Calculated MW: 32 kDa	
	Observed MW: 39-45 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: Human	WB : A549 cells, human placenta tissue, Caco-2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human placenta tissue,

Background Information

Insulin-like growth factor binding protein-3 (IGFBP-3) contains a 27 amino acid putative signal sequence followed by a mature protein of 264 amino acids with 18 cysteine residues clustered near the N- and C-terminus. Accordingly, expression of the cloned IGFBP-3 cDNA in mammalian tissue culture cells results in secretion of the protein into the culture medium. IGFBP-3 shares high homology (33% amino acid identity) including conservation of all 18 cysteine residues with a smaller human IGF-binding protein (BP-28) identified in amniotic fluid. IGFBP-3 has one or more glycosylation sites with a protein core of 30 kDa. Western blots revealed that the 39-45 kDa IGFBP-3 fragment is a glycoprotein. (PMID: 23403918, PMID: 24926947, PMID: 19887447)

Storage

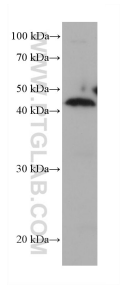
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

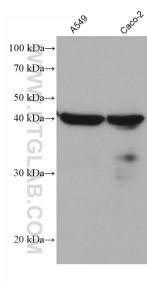
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

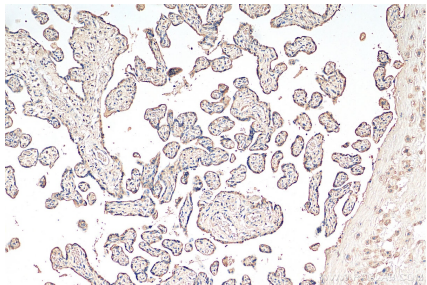
Selected Validation Data



human placenta tissue were subjected to SDS PAGE followed by western blot with 68402-1-Ig (IGFBP3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 68402-1-Ig (IGFBP3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 68402-1-Ig (IGFBP3 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).