

IGFBP3 Monoclonal antibody, PBS Only

Catalog Number: 68402-1-PBS

Basic Information

Catalog Number:

68402-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgM

Immunogen Catalog Number:

AG20351

GenBank Accession Number:

BC000013

GeneID (NCBI):

3486

UNIPROT ID:

P17936

Full Name:

insulin-like growth factor binding protein 3

Calculated MW:

32 kDa

Observed MW:

39-45 kDa

Purification Method:

Thiophilic affinity chromatograph

CloneNo.:

1A12A11

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

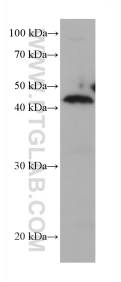
For technical support and original validation data for this product please contact:

T: 4006900926

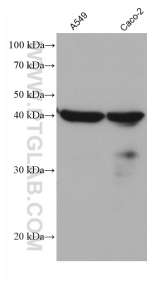
E: Proteintech-CN@ptglab.comW: ptgcn.com

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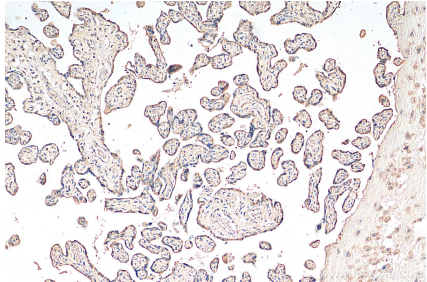
Selected Validation Data



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. This data was developed using the same antibody clone with 68402-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68402-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 68402-1-PBS in a different storage buffer formulation.