

For Research Use Only

IGFBP4 Recombinant antibody, PBS Only

Catalog Number: 83200-3-PBS



Basic Information

Catalog Number: 83200-3-PBS	GenBank Accession Number: NM_001552.3	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3487	CloneNo.: 230543F8
Source: Rabbit	UNIPROT ID: P22692-1	
Isotype: IgG	Full Name: insulin-like growth factor binding protein 4	
	Calculated MW: 28 kDa	
	Observed MW: 28-40 kDa	

Applications

Tested Applications:
WB, IHC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

IGFBP4, also named as IBP4, is a 258 amino acid protein, which contains one IGFBP N-terminal domain and one thyroglobulin type-1 domain. IGFBP4 is the smallest member of the insulin-like growth factor binding protein family (IGFBP). It is a hepatic protein that plays a role in modulating the activity and bioavailability of IGF-I. The expression of IGFBP4 was found to increase under conditions of hypoxia. IGFBP4 is highly expressed in adipocytes and osteoblasts and is inhibitory of IGFs in vitro. (PMID: 28938423, PMID: 34646401).

Storage

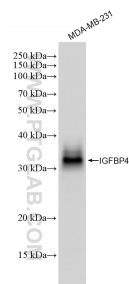
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

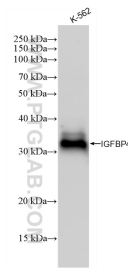
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

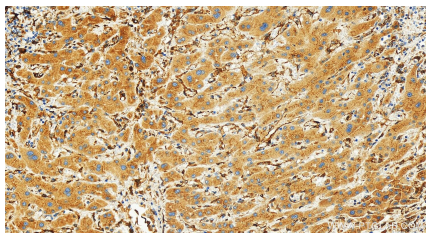
Selected Validation Data



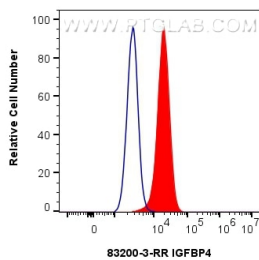
Various lysates were subjected to SDS PAGE followed by western blot with 83200-3-RR (IGFBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



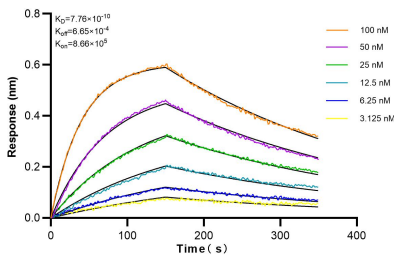
Various lysates were subjected to SDS PAGE followed by western blot with 83200-3-RR (IGFBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83200-3-RR (IGFBP4 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



1x10⁶ A549 cells were intracellularly stained with 0.4 ug IGFBP4 Recombinant antibody (83200-3-RR, Clone:230543F8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83200-3-RR against Human IGFBP4 were performed. The affinity constant is 0.776 nM.