

For Research Use Only

# IGFBP4 Recombinant antibody, PBS Only

Catalog Number: 83200-3-PBS



## Basic Information

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

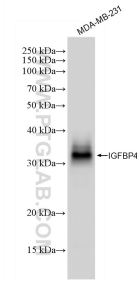
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

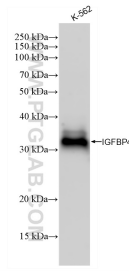
W: [ptgcn.com](http://ptgcn.com)

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

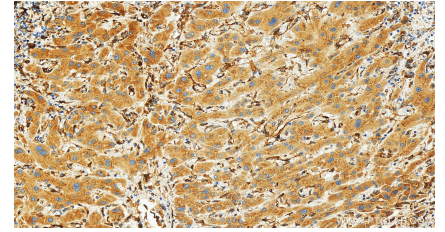
## Selected Validation Data



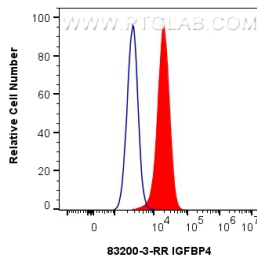
Various lysates were subjected to SDS PAGE followed by western blot with 83200-3-RR (IGFBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



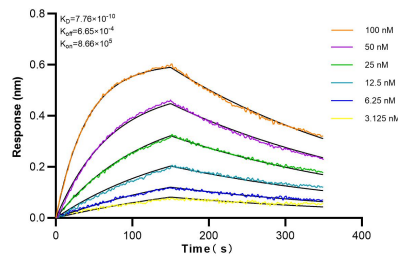
Various lysates were subjected to SDS PAGE followed by western blot with 83200-3-RR (IGFBP4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83200-3-PBS in a different storage buffer formulation.



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.



$1 \times 10^6$  A549 cells were intracellularly stained with 0.4  $\mu$ g 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  $\mu$ g 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.