

For Research Use Only

IGFBP4 Recombinant antibody

Catalog Number: 83200-3-RR



Basic Information

Catalog Number: 83200-3-RR	GenBank Accession Number: NM_001552.3	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3487	CloneNo.: 230543F8
Source: Rabbit	UNIPROT ID: P22692-1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: insulin-like growth factor binding protein 4	
	Calculated MW: 28 kDa	
	Observed MW: 28-40 kDa	

Applications

Tested Applications: WB, ELISA, FC (Inrta)	Positive Controls: WB : MDA-MB-231 cells, K-562 cells
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 -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

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

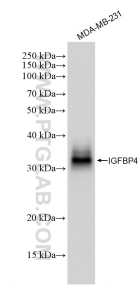
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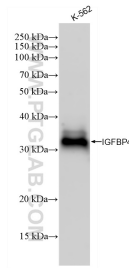
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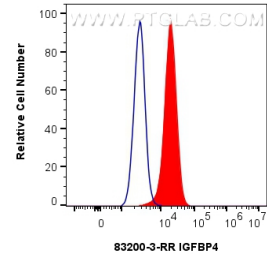
Selected Validation Data



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.



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1×10^6 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).