

For Research Use Only

IGFBP1 Monoclonal antibody

Catalog Number: 60717-8-Ig



Basic Information

Catalog Number: 60717-8-Ig	GenBank Accession Number: NM_000596.4	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3484	CloneNo.: 4A9D2
Source: Mouse	UNIPROT ID: P08833	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG1	Full Name: IGF binding protein 1	
Immunogen Catalog Number: EG0951	Calculated MW: 28 kDa	
	Observed MW: 28-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, human placenta tissue, human plasma, rabbit liver tissue
Species Specificity: human, rabbit	

Background Information

IGF-binding proteins (IGFBPs) family contains members like IGFBP-1, -2, -3, -4, -5 and -6. IGFBPs prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. IGF-I physically interacts with IGFBP-1 and that IGFBP-1 also binds to an integrin receptor, but the effect of IGFBP-1 on cell migration may be independent of IGF-I and is probably mediated through the alpha 5 beta 1 integrin. Transgenic mice models demonstrated that IGFBPs played important roles in the pathogenesis of obesity and INS resistance. Studies conducted in humans demonstrated the close relation between IGFBPs and the components of the metabolic syndrome.

Storage

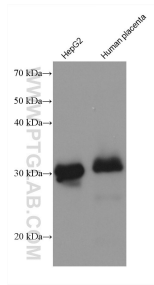
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60717-8-Ig (IGFBP1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.