

For Research Use Only

IGFBP1 Polyclonal antibody

Catalog Number: 31335-1-AP



Basic Information

Catalog Number: 31335-1-AP	GenBank Accession Number: NM_000596.4	Purification Method: Antigen affinity purification
Size: 500 ug/ml	GeneID (NCBI): 3484	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	UNIPROT ID: P08833	
Isotype: IgG	Full Name: IGF binding protein 1	
	Calculated MW: 28 kDa	
	Observed MW: 28-35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells,
Species Specificity: human	

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 pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

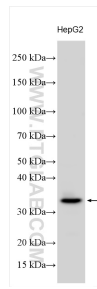
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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 31335-1-AP (IGFBP1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.