

IGFBP1 Monoclonal antibody

Catalog Number: 60717-8-Ig

Basic Information

Catalog Number:

60717-8-Ig

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

EG0951

GenBank Accession Number:

NM_000596.4

GeneID (NCBI):

3484

UNIPROT ID:

P08833

Full Name:

IGF binding protein 1

Calculated MW:

28 kDa

Observed MW:

28-35 kDa

Purification Method:

Protein G purification

CloneNo.:

4A9D2

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, rabbit

Positive Controls:

WB : HepG2 cells, human placenta tissue, human plasma, rabbit liver tissue

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:

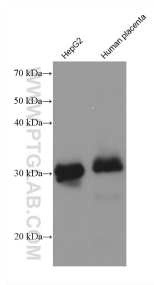
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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.