IGFBP1 Polyclonal ANTIBODY

Catalog Number: 13981-1-AP

Basic Information
- **Catalog Number:** 13981-1-AP
- **Size:** 65 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG5026
- **GeneBank Accession Number:** BC057806
- **Recommended Dilutions:** WB 1:500-1:2000

Applications
- **Tested Applications:** WB, ELISA
- **Cited Applications:** WB
- **Species Specificity:** human
- **Cited Species:** human
- **Note:** suggested antigen retrieval with TE buffer pH 9.0. (* ) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information
Insulin-like growth factor (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 insulin resistance. Studies conducted in humans demonstrated the close relation between IGFBPs and the components of the metabolic syndrome.

Notable Publications

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<th>Author</th>
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<tr>
<td>Min Jin</td>
<td>27628217</td>
<td>Biol Reprod</td>
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<td>Tao Feng</td>
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<td>Cheng Li</td>
<td>26925391</td>
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Storage
- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.05% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage

For Research Use Only

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) 405-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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human placenta tissue were subjected to SDS-PAGE followed by western blot with 13981-1-AP (IGFBP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours