IGF2BP1 Polyclonal ANTIBODY
Catalog Number: 22803-1-AP

**Basic Information**
- **Catalog Number:** 22803-1-AP
- **GenBank Accession Number:** BC192957
- **GeneID (NCBI):** 10642
- **Full Name:** insulin-like growth factor 2 mRNA binding protein 1
- **Calculated MW:** 577aa, 63 kDa
- **Observed MW:** 65-70 kDa

**Size:** 50 μg/150 μl

**Isotype:** IgG

**Purification Method:** Antigen affinity purification

**Immunogen Catalog Number:** AG18859

**Source:** Rabbit

**Recommended Dilutions:**
- **WB:** 1:500-1:2000
- **IP:** 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- **IHC:** 1:20-1:200
- **IF:** 1:20-1:200

**Applications**
- Tested Applications: IF, IHC, IP, WB, ELISA
- Cited Applications: IHC, WB
- Cited Species: human, mouse, rat

**Species Specificity:** human

**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Background Information**
IGF2BP1, also named as CRDP5, VICKZ1, ZBP1, is a 577 amino acid protein, which belongs to the RRM IMP/VICKZ family. IGF2BP1 can form homodimers and heterodimers with IGF2BP1 and IGF2BP3. IGF2BP1 is mainly expressed in the embryo, including in fetal liver, fetal lung, fetal kidney, fetal thymus and also expressed follicles of ovary, as well as gonocytes of testis, spermatogonia, semen, oocytes and placenta. IGF2BP1 is expressed in various cancers, including testis and lung cancers, as well as kidney, prostate and thyroid cancers. IGF2BP1 as an RNA-binding factor that recruits target transcripts to cytoplasmic protein-RNA complexes (mRNPs). It also modulates the rate and location at which target transcripts encounter the translational apparatus and shields them from endonuclease attacks or microRNA-mediated degradation. The calculated molecular weight of IGF2BP1 is 63 kDa, but modified IGF2BP1 is about 65-70 kDa.

**Notable Publications**

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<th>Author</th>
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<tr>
<td>Pingfu Hou</td>
<td>31291975</td>
<td>J Exp Clin Cancer Res</td>
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<td>Jia He</td>
<td>30790682</td>
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<tr>
<td>Ren-Jie Wang</td>
<td>25670381</td>
<td>J Biol Chem</td>
<td>WB, IHC</td>
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**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:
- T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 405-8468 (outside USA)
- E: proteintech@ptglab.com
- W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
**Selected Validation Data**

**WB result of IGF2BP1 antibody (22803-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IGF2BP1 transfected Jurkat cells**

Jurkat cells were subjected to SDS PAGE followed by western blot with 22803-1-AP (IGF2BP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

**Immunohistochemical analysis of paraffin-embedded human testis slide using 22803-1-AP (IGF2BP1 Antibody) at dilution of 1:50**

**IP Result of anti-IGF2BP1 (IP:22803-1-AP, 4ug; Detection:22803-1-AP 1:1000) with HEK-293 cells lysate 1480ug.**

Immunofluorescent analysis of A375 cells using 22803-1-AP (IGF2BP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L)**