IGF2BP3 Polyclonal ANTIBODY
Catalog Number: 14642-1-AP

Basic Information
Catalog Number: 14642-1-AP
Size: 22 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG6226
GenBank Accession Number: BC062269
GeneID (NCBI): 10643
Full Name: insulin-like growth factor 2 mRNA binding protein 3
Calculated MW: 64 kDa
Observed MW: 64 kDa
Recommended Dilutions:
- WB: 1:500-1:2000
- IP: 0.5-4.0 μg for IP and 1:500-1:2000 for WB
- IHC: 1:200-1:200
- IF: 1:10-1:100

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

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

Positive Controls:
- WB: HepG2 cells, BxPC-3 cells, HeLa cells, mouse brain tissue
- IP: HeLa cells
- IHC: human pancreas cancer tissue
- IF: MCF-7 cells

Background Information
IGF2BP3, also named as IMP3, KOC1 and VICKZ3, belongs to the RRM IMP/VICKZ family. It is one of the RNA binding proteins involved in mRNA localization and translational control. IGF2BP3 is expressed during embryogenesis, as well as in some malignant tumors. It can be used as an independent prognostic factor for osteosarcoma. Both isoforms (64kd and 22kd) of IGFBP3 can be recognized by this antibody. And IGFBP3 is nuclear and cytoplasm stains.

Notable Publications
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<tr>
<th>Author</th>
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<tbody>
<tr>
<td>Reschke Markus M</td>
<td>24050002</td>
<td>Cell Rep</td>
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<tr>
<td>Sita Kugel</td>
<td>27183006</td>
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<td>Yan Zhang</td>
<td>27259962</td>
<td>Oncotarget</td>
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Storage
Storage: Store at -20ºC. Stable for one year after shipment.
Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20ºC storage.

For technical support and original validation data for this product please contact:
E: proteintech@ptglab.com
T: 1 (888) 4PTGLAB (toll free in USA), or 1 (312) 455-8498 (outside USA)

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HepG2 cells were subjected to SDS PAGE followed by western blot with 14642-1-AP (IGF2BP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 14642-1-AP (IGF2BP3 antibody) at dilution of 1:100 (under 40x lens).

Immunofluorescent analysis of MCF-7 cells, using IGF2BP3 antibody 14642-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).

IP Result of anti-IGF2BP3 (IP:14642-1-AP, 3ug; Detection:14642-1-AP 1:1000) with HeLa cells lysate 4400ug.