

For Research Use Only

IGF2BP3 Recombinant antibody

Catalog Number: 81805-1-RR

Featured Product

1 Publications



Basic Information

Catalog Number:

81805-1-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6226

GenBank Accession Number:

BC065269

GeneID (NCBI):

10643

UNIPROT ID:

O00425

Full Name:

insulin-like growth factor 2 mRNA
binding protein 3

Calculated MW:

64 kDa

Observed MW:

64 kDa

Purification Method:

Protein A purification

CloneNo.:

1L11

Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total
protein lysate

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse, rat

Cited Species:

human

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

Positive Controls:

WB : HEK-293 cells, HeLa cells, HepG2 cells, K-562
cells, NIH/3T3 cells, HSC-T6 cells, mouse placenta
tissue

IP : HeLa cells,

IHC : human pancreas cancer tissue, human cervical
squamous cancer tissue, human colon cancer tissue

Background Information

IGF2BP3, also named 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

| Author | Pubmed ID | Journal | Application |
|---------|-----------|---------|-------------|
| Li Yang | 38714753 | Sci Rep | IHC |

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

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

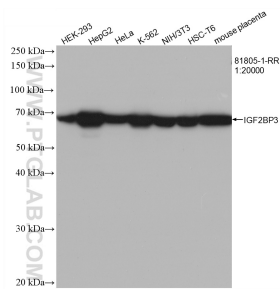
T: 4006900926

E: Proteintech-CN@ptglab.com

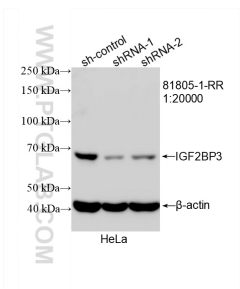
W: ptgcn.com

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

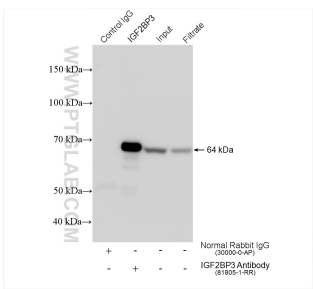
Selected Validation Data



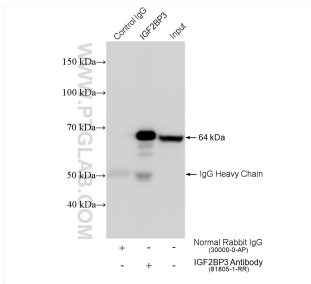
Various lysates were subjected to SDS PAGE followed by western blot with 81805-1-RR (IGF2BP3 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



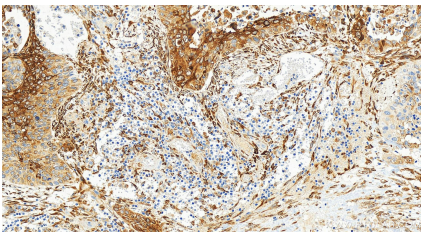
WB result of IGF2BP3 antibody (81805-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-IGF2BP3 transfected HeLa cells.



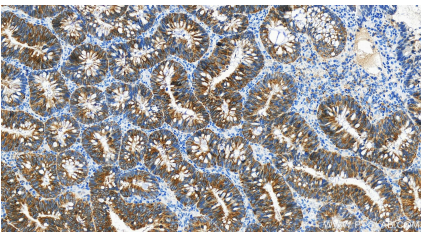
IP result of anti-IGF2BP3 (IP:81805-1-RR, 4ug; Detection:81805-1-RR 1:20000) with HeLa cells lysate 1280 ug.



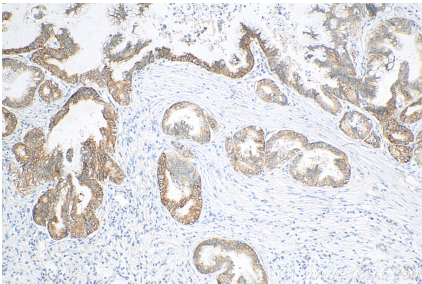
IP result of anti-IGF2BP3 (IP:81805-1-RR, 4ug; Detection:81805-1-RR 1:4000) with HeLa cells lysate 1280 ug.



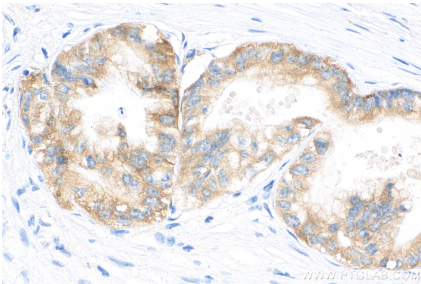
Immunohistochemical analysis of paraffin-embedded human cervical squamous cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



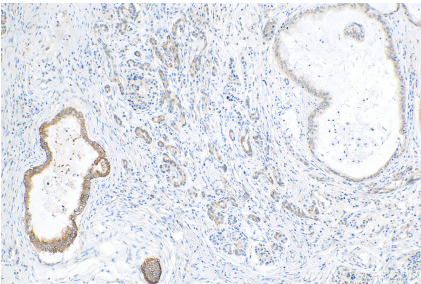
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



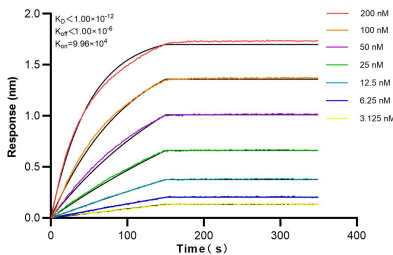
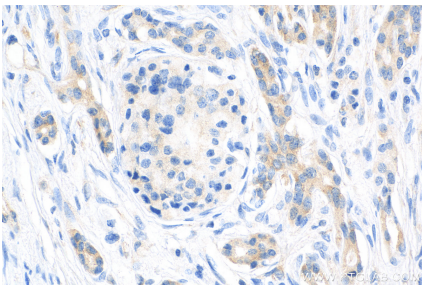
Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 0x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 81805-1-RR (IGF2BP3 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Biolayer interferometry (BLI) kinetic assays of 81805-1-RR against Human IGF2BP3 were performed. The affinity constant is below 1 pM.