

For Research Use Only

PTBP2 Polyclonal antibody

Catalog Number: 55186-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

55186-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_021190

GeneID (NCBI):

58155

UNIPROT ID:

Q9UKA9

Full Name:

polypyrimidine tract binding protein
2

Calculated MW:

57 kDa

Observed MW:

57-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF-P 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

**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 : mouse heart tissue, mouse brain tissue, mouse
skeletal muscle tissue

IHC : mouse brain tissue,

IF-P : mouse brain tissue,

Background Information

PTBP2, also named as NPTB, PTB and PTBLP, is a RNA-binding protein which binds to intronic polypyrimidine tracts and mediates negative regulation of exons splicing. It may antagonize in a tissue-specific manner the ability of NOVA1 to activate exon selection. Beside its function in pre-mRNA splicing, PTBP2 plays also a role in the regulation of translation. Isoform 5 has a reduced affinity for RNA. (PMID:11003644) . Protein may exist in a dimeric form with a MW of 110-120 kDa (PMID: 20064465). This antibody is specific to PTBP2.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------------|-------------|
| Jonathan P Ling | 27681424 | Cell Rep | WB |
| Dhananjaya D | 29581187 | Mol Cell Biol | WB |
| Fred F Damberger | 39180402 | Nucleic Acids Res | WB |

Storage

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:

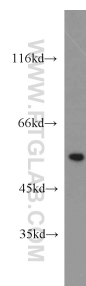
T: 4006900926

E: Proteintech-CN@ptglab.com

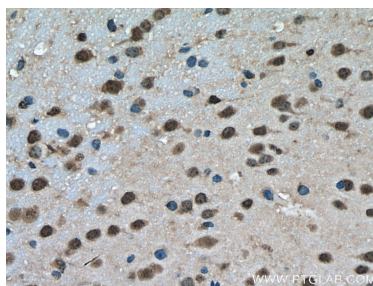
W: ptgcn.com

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

Selected Validation Data



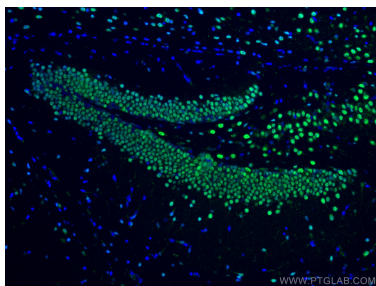
mouse heart tissue were subjected to SDS PAGE followed by western blot with 55186-1-AP (PTBP2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 55186-1-AP (PTBP2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 55186-1-AP (PTBP2 antibody), at dilution of 1:100 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 55186-1-AP (PTBP2 antibody), at dilution of 1:100 and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).