

For Research Use Only

# PPP2R5A Polyclonal antibody

Catalog Number: 12675-2-AP

Featured Product

4 Publications



## Basic Information

|                           |            |                           |   |                        |  |
|---------------------------|------------|---------------------------|---|------------------------|--|
| Catalog Number:           | 12675-2-AP | GenBank Accession Number: | BC022474  | Purification Method:   | Antigen affinity purification  |
| Concentration:            | 450 ug/ml  | GenelD (NCBI):            | 5525  | Recommended Dilutions: | WB 1:300-1:1000<br>IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate<br>IHC 1:50-1:500<br>IF/ICC 1:50-1:500 |
| Source:                   | Rabbit     | UNIPROT ID:               | Q15172  |                        |  |
| Isotype:                  | IgG        | Full Name:                | protein phosphatase 2, regulatory subunit B', alpha isoform |                        |  |
| Immunogen Catalog Number: | AG3360     | Calculated MW:            | 486 aa, 56 kDa  |                        |  |
|                           |            | Observed MW:              | 56 kDa  |                        |  |

## Applications

|  |                            |                    |  |
|--|----------------------------|--------------------|--|
| Tested Applications:   | WB, IHC, IF/ICC, IP, ELISA | Positive Controls: | WB: human ileum tissue, HeLa cells, human brain tissue, human heart tissue, human kidney tissue, human lung tissue, mouse heart tissue, rat heart tissue |
| Cited Applications:  | WB, IHC                    | IP:                | mouse brain tissue,  |
| Species Specificity:   | human, mouse, rat          | IHC:               | human pancreas cancer tissue,  |
| Cited Species:   | human, mouse               | IF/ICC:            | HepG2 cells,   |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |                            |                    |  |

## Background Information

PPP2R5A(protein phosphatase 2, regulatory subunit B (B56), alpha isoform) is also named as PR61alpha and belongs to the phosphatase 2A regulatory subunit B56 family. B56 alpha subunit gene encodes a cytoplasmic phosphoprotein(PMID:7592815). The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. This protein has 2 isoforms produced by alternative splicing with the molecular weight of 54 kDa and 50 kDa.

## Notable Publications

| Author        | Pubmed ID | Journal        | Application |
|---------------|-----------|----------------|-------------|
| Xiaoman Zhu   | 36096985  | Cell Death Dis | WB          |
| Siwen Yin     | 35154432  | Oncol Lett     | WB          |
| Zehang Zhuang | 28849187  | Oncol Rep      | WB,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:

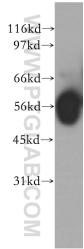
T: 4006900926

E: Proteintech-CN@ptglab.com

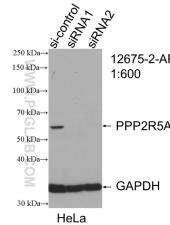
W: ptgcn.com

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

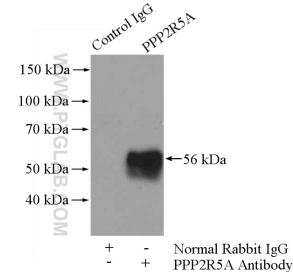
## Selected Validation Data



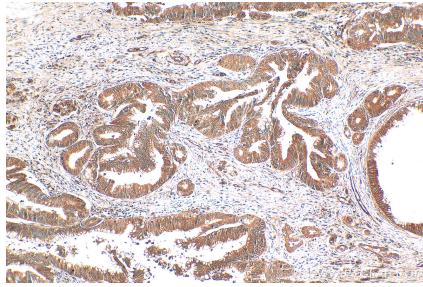
human ileum tissue were subjected to SDS PAGE followed by western blot with 12675-2-AP (PPP2R5A antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



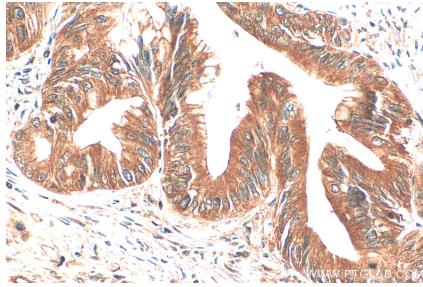
WB result of PPP2R5A antibody (12675-2-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-PPP2R5A transfected HeLa cells.



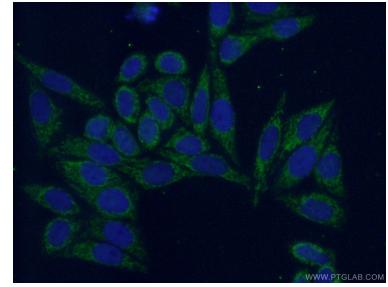
IP result of anti-PPP2R5A (IP:12675-2-AP, 4ug; Detection:12675-2-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 12675-2-AP (PPP2R5A antibody) at dilution of 1:200 (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 12675-2-AP (PPP2R5A 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 HepG2 cells using 12675-2-AP (PPP2R5A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).