

For Research Use Only

# PRR5 Polyclonal antibody

Catalog Number: 17948-1-AP

1 Publications



## Basic Information

Catalog Number:

17948-1-AP

Concentration:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12424

GenBank Accession Number:

BC016921

GeneID (NCBI):

55615

UNIPROT ID:

P85299

Full Name:

proline rich 5 (renal)

Calculated MW:

31 kDa, 43 kDa

Observed MW:

33 kDa, 50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2400

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

IHC 1:50-1:500

IF/ICC 1:10-1:100

## Applications

Tested Applications:

WB, IHC, IF/ICC, 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**: human kidney tissue, COLO 320 cells, HEK-293 cells, HepG2 cells, human brain tissue, mouse brain tissue

**IP**: mouse brain tissue,

**IHC**: mouse testis tissue, mouse brain tissue, mouse kidney tissue, human kidney tissue, human placenta tissue

**IF/ICC**: HepG2 cells,

## Background Information

PRR5, also named as PROTOR1 and PP610, is a subunit of mTORC2, which regulates cell growth and survival in response to hormonal signals. PRR5 plays an important role in regulation of PDGFRB expression and in modulation of platelet-derived growth factor signaling. It acts as a tumor suppressor in breast cancer. PRR5 has some isoforms with MW 31-33 kDa and 41-50 kDa.

## Notable Publications

| Author  | Pubmed ID | Journal       | Application |
|---------|-----------|---------------|-------------|
| Jun Liu | 30154548  | Nat Cell Biol | 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:

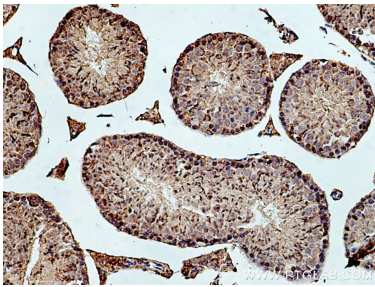
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

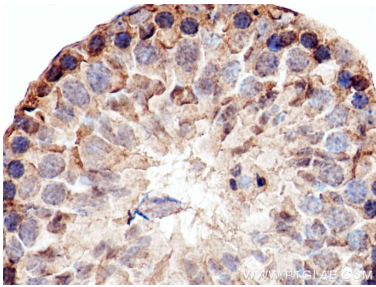
W: [ptgcn.com](http://ptgcn.com)

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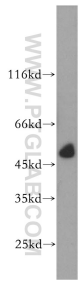
Selected Validation Data



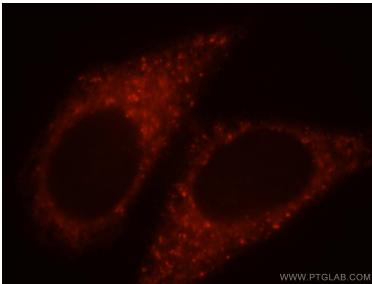
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17948-1-AP (PRR5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



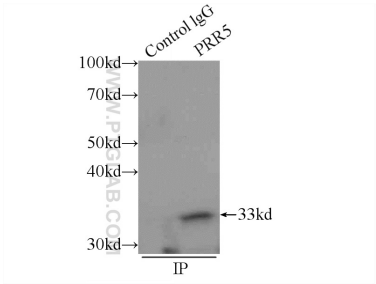
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17948-1-AP (PRR5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



human kidney tissue were subjected to SDS PAGE followed by western blot with 17948-1-AP (PRR5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using PRR5 antibody 17948-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-PRR5 (IP:17948-1-AP, 3ug; Detection:17948-1-AP 1:300) with mouse brain tissue lysate 4000ug.