

For Research Use Only

PRR5 Polyclonal antibody

Catalog Number: 17948-1-AP **1 Publications**



Basic Information

Catalog Number: 17948-1-AP	GenBank Accession Number: BC016921	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55615	Recommended Dilutions: WB 1:500-1:2400 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
Source: Rabbit	Full Name: proline rich 5 (renal)	IHC 1:50-1:500 IF 1:10-1:100
Isotype: IgG	Calculated MW: 31 kDa, 43 kDa	
Immunogen Catalog Number: AG12424	Observed MW: 33 kDa, 50 kDa	

Applications

Tested Applications: IF, IHC, IP, WB, ELISA	Positive Controls:
Cited Applications: IHC	WB : human kidney tissue, COLO 320 cells, HEK-293 cells, HepG2 cells, human brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat	IP : mouse brain tissue,
Cited Species: human	IHC : mouse testis tissue, mouse brain tissue, mouse kidney tissue, human kidney tissue, human placenta tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IF : 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

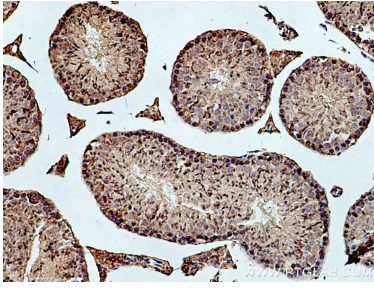
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

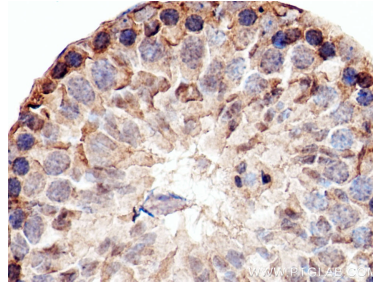
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

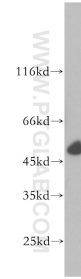
Selected Validation Data



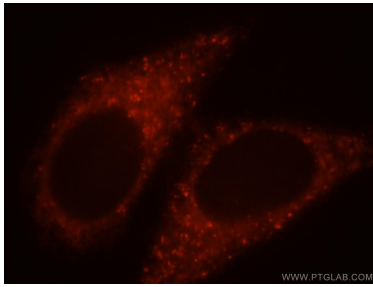
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17948-1-AP (PRR5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



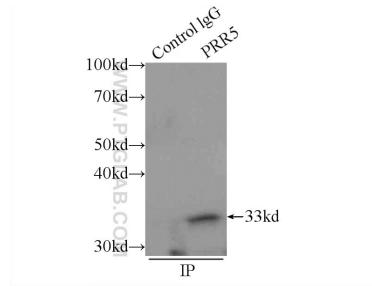
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 17948-1-AP (PRR5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.