

PPP2R1A Polyclonal antibody

Catalog Number: 15882-1-AP

7 Publications

Basic Information

Catalog Number:

15882-1-AP

Size:

150ul, Concentration: 160 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8661

GenBank Accession Number:

BC001537

GeneID (NCBI):

5518

UNIPROT ID:

P30153

Full Name:

protein phosphatase 2 (formerly 2A), regulatory subunit A, alpha isoform

Calculated MW:

589 aa, 65 kDa

Observed MW:

65 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

CoIP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, pig

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: rat liver tissue, A431 cells, HepG2 cells, mouse kidney tissue, SMMC-7721 cells, mouse liver tissue, mouse testis tissue, LO2 cells

IP: HepG2 cells,

IHC: human kidney tissue, human ovary tumor tissue

Background Information

PPP2R1A belongs to the phosphatase 2A regulatory subunit A family. PPP2R1A encodes the α-isoform of the scaffolding subunit of the serine/threonine protein phosphatase 2A (PP2A) holoenzyme. This tumour suppressor complex is involved in growth and survival pathways and PPP2R1A mutations in endometrial high-grade serous carcinomas are a frequent and potentially targetable feature of this disease (PMID: 21381030). The PPP2R1A gene has 86% identity with the PPP2R1B gene (PMID: 7681822).

Notable Publications

Author	Pubmed ID	Journal	Application
Hai Zheng	33243860	Science	WB
Changsheng Jiang	36094311	Microbiol Spectr	WB, CoIP
Shibin Hu	34534457	Mol Cell	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

*** 20ul sizes contain 0.1% BSA

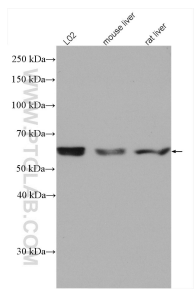
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

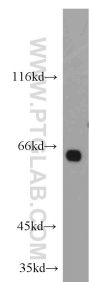
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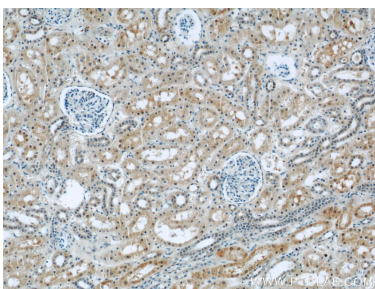
Selected Validation Data



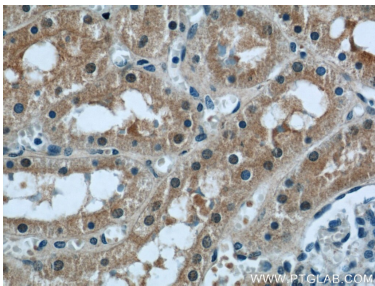
Various lysates were subjected to SDS PAGE followed by western blot with 15882-1-AP (PPP2R1A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



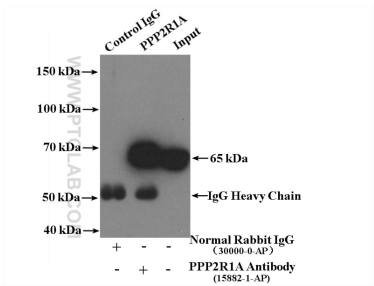
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 15882-1-AP (PPP2R1A antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 15882-1-AP (PPP2R1A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 15882-1-AP (PPP2R1A antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-PPP2R1A (IP:15882-1-AP, 4ug; Detection:15882-1-AP 1:300) with HepG2 cells lysate 3200ug.