

For Research Use Only

PPP2R2C Polyclonal antibody

Catalog Number: 12747-1-AP

6 Publications



Basic Information

Catalog Number:

12747-1-AP

Concentration:

500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3470

GenBank Accession Number:

BC032954

GeneID (NCBI):

5522

UNIPROT ID:

Q9Y2T4

Full Name:

protein phosphatase 2 (formerly 2A),
regulatory subunit B, gamma isoform

Calculated MW:

430 aa, 49 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, ColP

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 : HeLa cells, MCF-7 cells, mouse testis tissue

IHC : human breast cancer tissue, human brain tissue,
human testis tissue

Background Information

Protein phosphatase 2 regulatory subunit B gamma, also known as PPP2R2C or B55-gamma, encodes a gamma isoform of the subunit B55 subfamily, which is a regulatory subunit of Protein phosphatase type 2A (PP2A) (PMID: 24126060). PPP2R2C has been identified as a potential tumor suppressor in several cancers, including prostate and brain cancers (PMID: 23493267, PMID: 24126060). The decreased expression of PPP2R2C is associated with tumor progression, metastasis, and poorer patient outcomes in prostate cancer.

Notable Publications

Author	Pubmed ID	Journal	Application
Liping Chen	25236601	J Cell Sci	
Shunta Ikeda	32663263	J Biochem	WB
Mengmeng Zhang	39033992	Cell Signal	WB, ColP

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:

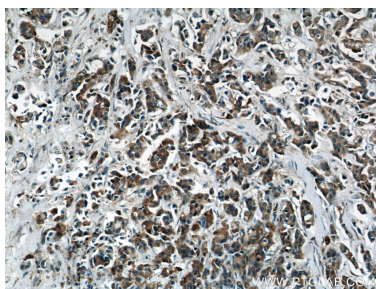
T: 4006900926

E: Proteintech-CN@ptglab.com

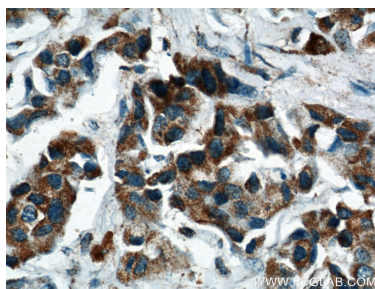
W: ptgcn.com

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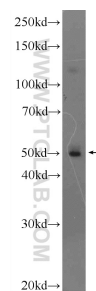
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human breast cancer using 12747-1-AP (PPP2R2C antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer using 12747-1-AP (PPP2R2C antibody) at dilution of 1:50 (under 40x lens).



HeLa cells were subjected to SDS PAGE followed by western blot with 12747-1-AP (PPP2R2C Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.