

PPP2R2C Recombinant monoclonal antibody

Catalog Number: 86383-1-RR

Basic Information

Catalog Number: 86383-1-RR	GenBank Accession Number: BC032954	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5522	CloneNo.: 250997F4
Isotype: IgG	UNIPROT ID: Q9Y2T4	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:250-1:1000
Immunogen Catalog Number: AG3470	Full Name: protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	
	Calculated MW: 430 aa, 49 kDa	
	Observed MW: 49-53 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

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: A549 cells, HeLa cells, MCF-7 cells, mouse lung tissue, mouse testis tissue, mouse brain tissue, rat brain tissue

IHC: human breast cancer tissue, rat brain 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.

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:

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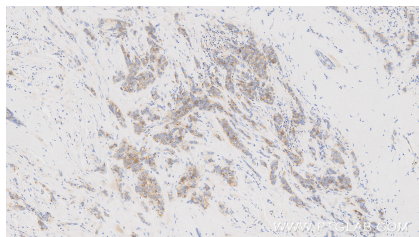
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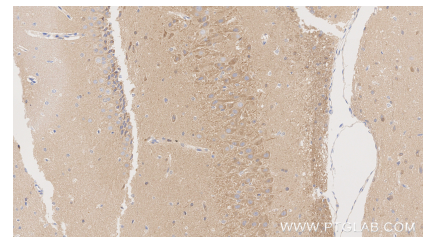
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86383-1-RR (PPP2R2C antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 86383-1-RR (PPP2R2C antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat brain tissue slide using 86383-1-RR (PPP2R2C antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).