

For Research Use Only

VPS34 Recombinant monoclonal antibody

Catalog Number: 87952-1-RR



Basic Information

Catalog Number: 87952-1-RR	GenBank Accession Number: BC033004	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5289	CloneNo.: 260118B4
Source: Rabbit	UNIPROT ID: Q8NEB9	Recommended Dilutions: WB: 1:1000-1:4000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:50-1:500
Isotype: IgG	Full Name: phosphoinositide-3-kinase, class 3	
Immunogen Catalog Number: AG3110	Calculated MW: 887 aa, 100 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:

WB, IHC, IP, 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 : PC-3 cells, HepG2 cells, Raji cells, Jurkat cells, mouse brain tissue, rat brain tissue, mouse testis tissue

IP : PC-3 cells,

IHC : human stomach cancer tissue,

Background Information

PIK3C3(Phosphatidylinositol 3-kinase catalytic subunit type 3) is also named as VPS34 and belongs to the PI3/PI4-kinase family. It is a catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate which plays a key role in initiation and maturation of autophagosomes. It can form a dimer(PMID:20339072).

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

*** 20ul sizes contain 0.1% BSA

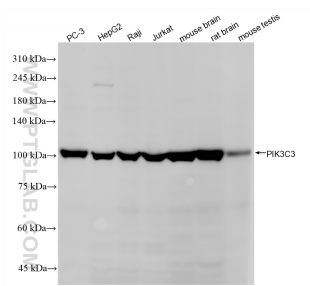
For technical support and original validation data for this product please contact:

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

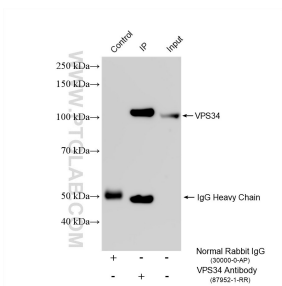
E: proteintech@ptglab.com
W: ptglab.com

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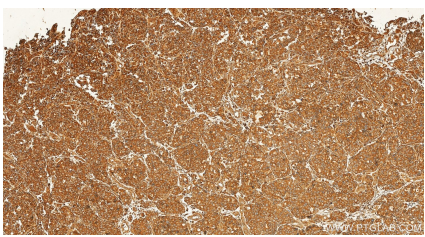
Selected Validation Data



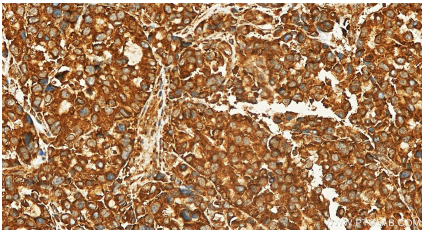
Various lysates were subjected to SDS PAGE followed by western blot with 87952-1-RR (PIK3C3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



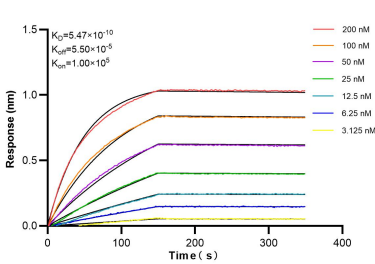
IP result of anti-VPS34 (IP:87952-1-RR, 4ug; Detection:87952-1-RR 1:800) with PC-3 cells lysate 960 ug.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 87952-1-RR (VPS34 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 human stomach cancer tissue slide using 87952-1-RR (VPS34 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 87952-1-RR against Human VPS34 were performed. The affinity constant is 0.547 nM.