

For Research Use Only

VPS34 Polyclonal antibody

Catalog Number: 13723-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

13723-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC053651

GeneID (NCBI):

5289

UNIPROT ID:

Q8NEB9

Full Name:

phosphoinositide-3-kinase, class 3

Calculated MW:

887 aa, 100 kDa

Observed MW:

102 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, 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 : HeLa cells, mouse testis tissue, mouse lung tissue, Jurkat cells

IHC : mouse skeletal muscle 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Lili Lin	34925035	Front Pharmacol	WB
Yanna Li	33914271	J Cardiovasc Transl Res	WB
Yunhang Zhang	39641621	J Virol	WB

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

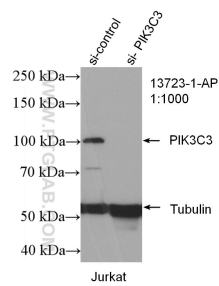
For technical support and original validation data for this product please contact:

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

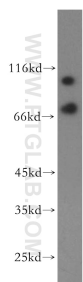
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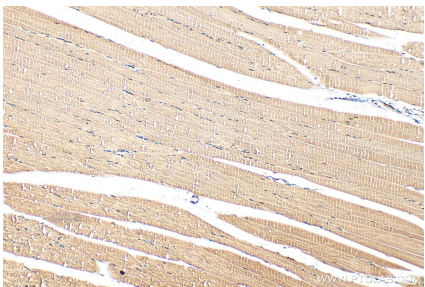
Selected Validation Data



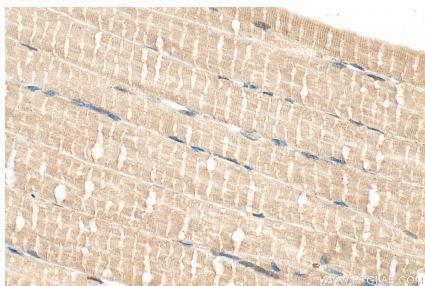
WB result of VPS34 antibody (13723-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS34 transfected Jurkat cells.



HeLa cells were subjected to SDS PAGE followed by western blot with 13723-1-AP (VPS34 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 13723-1-AP (VPS34 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 mouse skeletal muscle tissue slide using 13723-1-AP (VPS34 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).