

For Research Use Only

VPS34 (C terminal) Polyclonal antibody

Catalog Number:12452-1-AP

Featured Product

62 Publications



Basic Information

Catalog Number:

12452-1-AP

Size:

150ul , Concentration: 550 ug/ml by Nanodrop and 380 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3110

GenBank Accession Number:

BC033004

GeneID (NCBI):

5289

UNIPROT ID:

Q8NEB9

Full Name:

phosphoinositide-3-kinase, class 3

Calculated MW:

887 aa, 100 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:100-1:400

IF/ICC 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF, IP, ColP

Species Specificity:

human, mouse, rat

Cited Species:

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

IHC : human prostate cancer tissue, human heart tissue

IF/ICC : PC-3 cells,

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
Haojie Zhang	36114802	Phytother Res	WB
Jiafeng Li	31572190	Front Pharmacol	WB
Qian Zuo	34509534	Cancer Lett	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

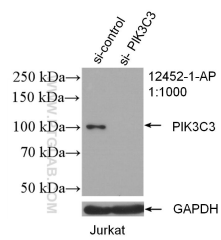
For technical support and original validation data for this product please contact:

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

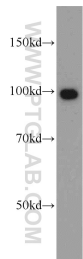
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

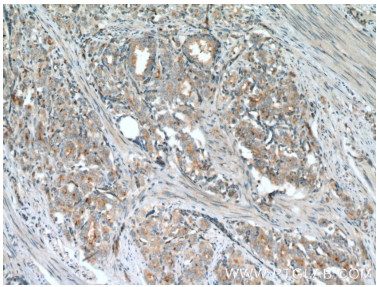
Selected Validation Data



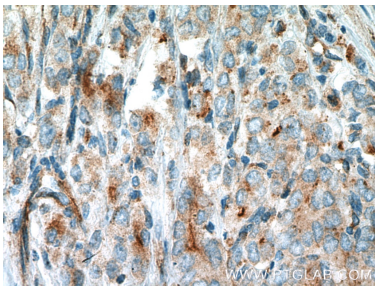
WB result of VPS34 (C terminal) antibody (12452-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-VPS34 (C terminal) transfected Jurkat cells.



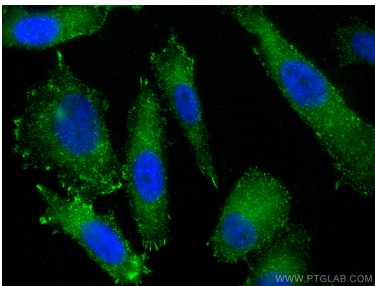
PC-3 cells were subjected to SDS PAGE followed by western blot with 12452-1-AP (VPS34 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 12452-1-AP (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 prostate cancer tissue slide using 12452-1-AP (VPS34 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using VPS34 (C terminal) antibody (12452-1-AP) at dilution of 1:600 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).