For Research Use Only

Phospho-VPS34 (Thr159) Polyclonal antibody

Catalog Number:29675-1-AP

1 Publications

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Basic Information

Catalog Number:
29675-1-AP

Size:
100ul , Concentration: 750 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_002647

GeneID (NCBI):
5289

UNIPROT ID:
Q8NEB9

Full Name:
phosphoinositide-3-kinase, class 3

Calculated MW:
102 kDa

Observed MW:
150 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:2000-1:16000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human

Cited Species:
human

Positive Controls:

WB : SH-SY5Y cells, λ phosphatase treated SH-SY5Y cells

Background Information

VPS34 phosphorylates phosphatidylinositol to produce PtdIns3P and is the progenitor of the phosphoinositide 3-kinase (PI3K) family. VPS34 has a simpler domain organization than class I PI3Ks, which belies the complexity of its quaternary organization, with the enzyme always functioning within larger assemblies. (PMID: 30397185)

Notable Publications

Author	Pubmed ID	Journal	Application
Rong-Hong Zhang	39577230	Eur J Med Chem	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
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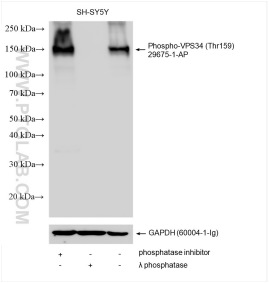
Selected Validation Data



Non-treated SH-SY5Y cells, phosphatase inhibitor treated SH-SY5Y cells cells and λ phosphatase treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 29675-1-AP (Phospho-VPS34 (Thr159) antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control.