

For Research Use Only

Phospho-VPS34 (Thr159) Polyclonal antibody

Catalog Number: 29675-1-AP

1 Publications



Basic Information

Catalog Number:

29675-1-AP

Concentration:

750 ug/ml

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

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

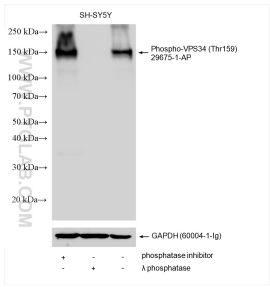
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Selected Validation Data



Non-treated SH-SY5Y cells, phosphatase inhibitor treated SH-SY5Y 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.