

VPS34 Polyclonal Antibody

Catalog number: 12452-1-AP

Size: 57 µg/150 µl

Source: Rabbit

Isotype: IgG

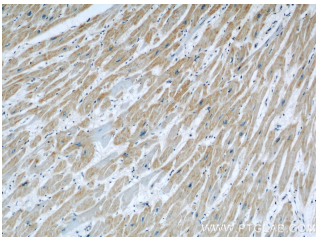
Synonyms:

PIK3C3; hVps34, PI 3 Kinase

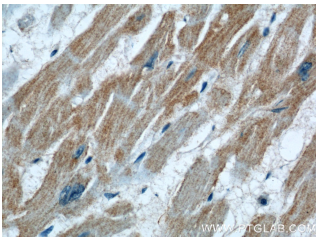
Class 3, PI 3-kinase p100, PI3K

p100, PI3K type 3, PIK3C3,

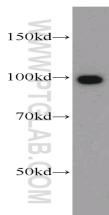
PtdIns 3 kinase type 3, VPS34



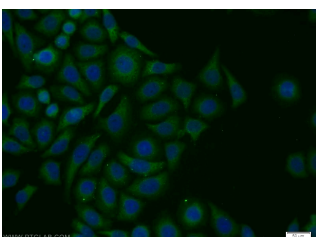
Immunohistochemical of paraffin-embedded human heart using 12452-1-AP(PIK3C3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical of paraffin-embedded human heart using 12452-1-AP(PIK3C3 antibody) at dilution of 1:50 (under 40x lens)



PC-3 cells were subjected to SDS PAGE followed by western blot with 12452-1-AP(PIK3C3 antibody) at dilution of 1:400



Immunofluorescent analysis

Background

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).

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	WB
Species specificity:	Human,Mouse,Rat; other species not tested.
Cited species:	Recombinant protein
Calculated VPS34 MW:	887aa,100 kDa
Observed VPS34 MW:	100 kDa
Positive WB detected in	PC-3 cells, HeLa cells, human brain tissue, human testis tissue, mouse brain tissue, mouse lung tissue, mouse testis tissue, rat brain tissue
Positive IHC detected in	Human heart tissue
Positive IF detected in	PC-3 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3110
GenBank accession number:	BC033004
Gene ID (NCBI):	5289
Full name:	Phosphoinositide-3-kinase, class 3

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

of PC-3 cells using 12452-1-
AP(PIK3C3 Antibody) at
dilution of 1:25 and Alexa
Fluor 488-conjugated
AffiniPure Goat Anti-Rabbit
IgG(H+L)