

Anti-PIK3C3 Antibody

Catalog Number: A02356

About PIK3C3

PI 3-kinase p100 (phosphoinositide-3-kinase p100 subunit), also known as hVps34 or PIK3C3 (phosphoinositide-3-kinase class III), is a member of the PI3/PI4-kinase family (1). It is a catalytic subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate and ubiquitously expressed with a highest expression in skeletal muscle (1,2). PIK3C3 is involved in the endosome to lysosome transport and plays important roles in intracellular membrane trafficking and autophagy (3-5).

Overview

Product Name	Anti-PIK3C3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PIK3C3 Antibody (Catalog # A02356). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal Clone: SK7
Formulation	PIK3C3 antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PIK3C3 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q8NEB9

Technical Details

Immunogen	PIK3C3 antibody was raised against an 18 amino acid peptide near the amino terminus of human PIK3C3. The immunogen is located within amino acids 130 - 180 of PIK3C3.
Predicted Reactive Species	Pig
Cross Reactivity	PIK3C3 antibody is human, mouse and rat reactive.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PIK3C3 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

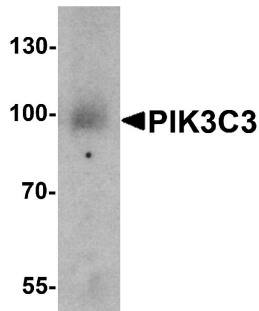
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

PIK3C3 antibody can be used for detection of PIK3C3 by Western blot at 1 - 2 ug/ml.

Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-PIK3C3 Antibody (A02356) Images



Western blot analysis of PIK3C3 in mouse small intestine tissue lysate with PIK3C3 antibody at 1 ug/ml.

1 Publications Citing This Product

1. PubMed ID: -, Lu Kong, Yongya Wu, Wangcheng Hu, Lin Liu, Yuying Xue, Geyu Liang, Mechanisms underlying reproductive toxicity induced by nickel nanoparticles identified by comprehensive gene expression analysis in GC-1 spg cells, Environmental Pollution, 2021, 116556, ISSN 0269-7

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