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Datasheet for ABIN7269323
anti-PIK3R4 antibody (AA 1-330)

2 Images

Overview

Quantity:	100 µL
Target:	PIK3R4
Binding Specificity:	AA 1-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Purpose:	PIK3R4/VPS15 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-330 of human PIK3R4/VPS15 (NP_055417.1).
Sequence:	MGNQLAGIAP SQILSVESYF SDIHDFEYDK SLGSTRFFKV ARAKHREGLV VVKVFAIQDP TLPLTSYKQE LEELKIRLNS AQNCLPFQKA SEKASEKAAM LFRQYVRDNL YDRISTRPFL NNIEKRWIAF QILTAVDQAH KSGVRHGDIK TENVMVTSWN WLLTDFASF KPTYLPEDNP ADFNYYFFDTS RRRTCYIAPE RFVDGGMFAT ELEYMRDPST PLVDLNSNQR TRGELKRAMD IFSAGCVIAE LFTEGVPLFD LSQLLAYRNG HFFPEQVLNK IEDHSIRELV TQMIHREPK RLEAEDYLKQ QRGNAFPEIF YTFLLQPYMAQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: PIK3R4

Alternative Name: PIK3R4 ([PIK3R4 Products](#))

Background: Regulatory subunit of the PI3K complex that mediates formation of phosphatidylinositol 3-phosphate, different complex forms are believed to play a role in multiple membrane trafficking pathways: PI3KC3-C1 is involved in initiation of autophagosomes and PI3KC3-C2 in maturation of autophagosomes and endocytosis. Involved in regulation of degradative endocytic trafficking and cytokinesis, probably in the context of PI3KC3-C2.,PIK3R4,VPS15,p150,Epigenetics & Nuclear Signaling,Translation Control,Regulation of eIF4 and p70 S6 Kinase,Signal Transduction,Kinase,Serine/threonine kinases,PI3K-Akt Signaling Pathway,mTOR Signaling Pathway,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Mitochondrial Control of Apoptosis,Inhibition of Apoptosis,Autophagy,Cell Adhesion,Cytoskeleton,Microtubules,Actins,TGF-b-Smad Signaling Pathway,ESC Pluripotency and Differentiation,Endocrine & Metabolism,Lipid Metabolism,AMPK Signaling Pathway,Warburg Effect,Immunology & Inflammation,T Cell Receptor Signaling Pathway,IL-6 Receptor Signaling Pathway,NF-kB Signaling Pathway,Cardiovascular,Angiogenesis,Regulators,PIK3R4

Molecular Weight: 153kDa

Gene ID: 30849

UniProt: [Q99570](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100

Restrictions: For Research Use only

Handling

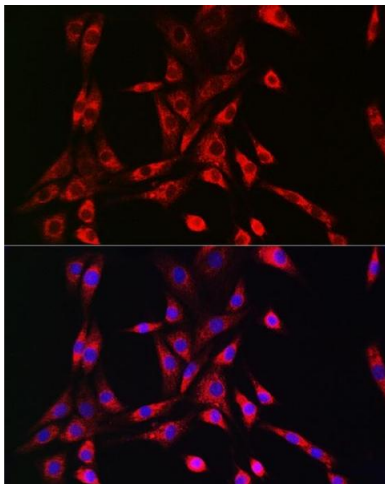
Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

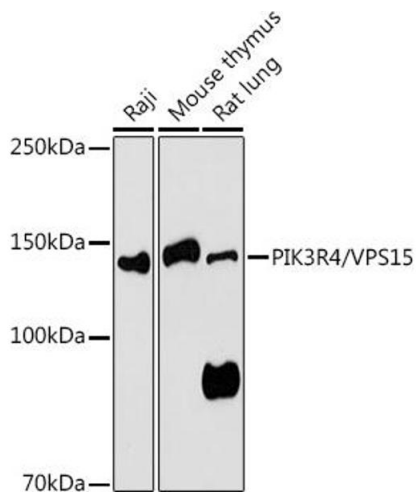
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using PIK3R4/VPS15 Rabbit pAb (ABIN7269323) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PIK3R4/VPS15 antibody (ABIN7269323) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.