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Datasheet for ABIN7269322

anti-PIK3R4 antibody

4 Images

Overview

Quantity:	100 µL
Target:	PIK3R4
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PIK3R4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	PIK3R4/VPS15 Rabbit mAb
Immunogen:	A synthesized peptide derived from human PIK3R4/VPS15
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal 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-

Target Details

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.,VPS15, p150,AMPK Signaling Pathway,Angiogenesis,Apoptosis,Apoptosis_Inhibition of Apoptosis,Apoptosis_Mitochondrial Control of Apoptosis,Autophagy,Autophagy_Regulator,Cardiovascular,Cell Adhesion,Cell Biology & Developmental Biology,Cytoskeleton,Cytoskeleton_Actins,Cytoskeleton_Microtubules,Endocrine & Metabolism,Epigenetics & Nuclear Signaling,ErbB-HER Signaling Pathway,ESC Pluripotency and Differentiation,IL-6 Receptor Signaling Pathway,Immunology & Inflammation,Kinase,Kinase_Serine/threonine kinases,Lipid Metabolism,MAPK-Erk Signaling Pathway,MAPK-JNK Signaling Pathway,mTOR Signaling Pathway,NF-kB Signaling Pathway,PI3K-Akt Signaling Pathway,Signal Transduction,T Cell Receptor Signaling Pathway,TGF-b-Smad Signaling Pathway,Translation Control,Translational Control_Regulation of eIF4 and p70 S6 Kinase,Warburg Effect,PIK3R4

Molecular Weight:	150kDa
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Gene ID:	30849
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UniProt:	Q99570
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Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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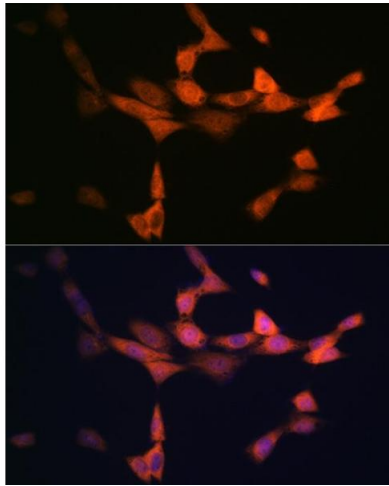
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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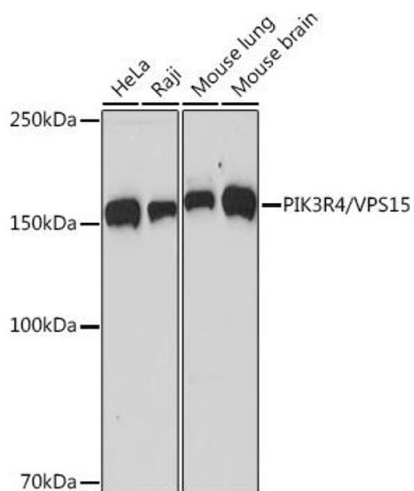
Storage:	-20 °C
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Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
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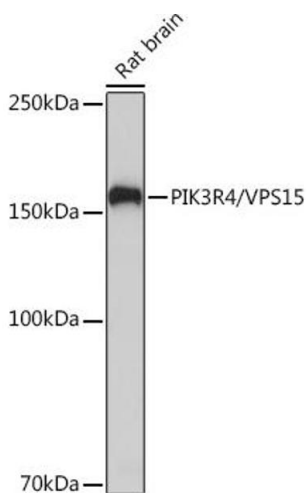
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using PIK3R4/VPS15 Rabbit mAb (ABIN7269322) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using PIK3R4/VPS15 Rabbit mAb (ABIN7269322) 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: 60s.



Western Blotting

Image 3. Western blot analysis of extracts of Rat brain, using PIK3R4/VPS15 Rabbit mAb (ABIN7269322) 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.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7269322.