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Datasheet for ABIN7163299

anti-PIK3R6 antibody (Regulatory Subunit 6)

4 Images

Overview

Quantity:	100 µg
Target:	PIK3R6
Binding Specificity:	AA 566-667, Regulatory Subunit 6
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Phosphoinositide 3-kinase regulatory subunit 6 protein (566-667AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PIK3R6
Alternative Name:	PIK3R6 (PIK3R6 Products)
Background:	Background: Regulatory subunit of the PI3K gamma complex. Acts as an adapter to drive activation of PIK3CG by beta-gamma G protein dimers. The PIK3CG:PIK3R6 heterodimer is

Target Details

much less sensitive to beta-gamma G protein dimers than PIK3CG:PIK3R5 and its membrane recruitment and beta-gamma G protein dimer-dependent activation requires HRAS bound to PIK3CG. Recruits of the PI3K gamma complex to a PDE3B:RAPGEF3 signaling complex involved in angiogenesis, signaling seems to involve RRAS.

Aliases: C17orf38 antibody, Chromosome 17 open reading frame 38 antibody, HsT41028 antibody, p84 PI3K adapter protein antibody, p84 PIKAP antibody, p87 phosphoinositide 3-kinase gamma (PI3Kg) adapter protein antibody, p87 PI3K adapter protein antibody, p87PIKAP antibody, Phosphatidylinositol 3-kinase, regulatory subunit 6 antibody, Phosphoinositide 3-kinase gamma adapter protein of 87 kDa antibody, Phosphoinositide 3-kinase regulatory subunit 6 antibody, PI3Kgamma adapter protein of 87 kDa antibody, PI3R6_HUMAN antibody, PIK3R6 antibody

UniProt: [Q5UE93](#)

Pathways: [PI3K-Akt Signaling](#), [Inositol Metabolic Process](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

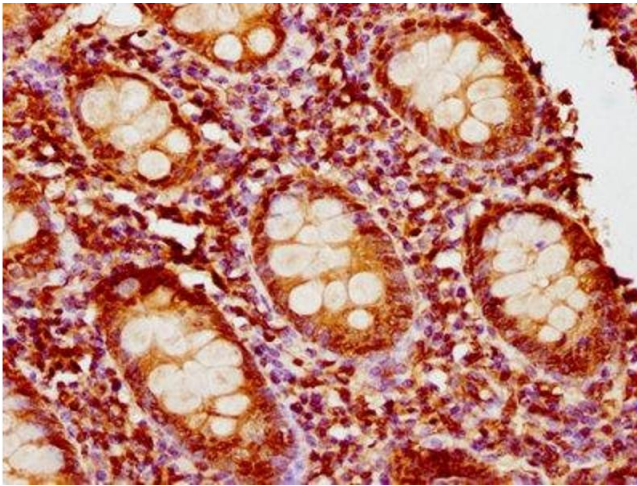
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

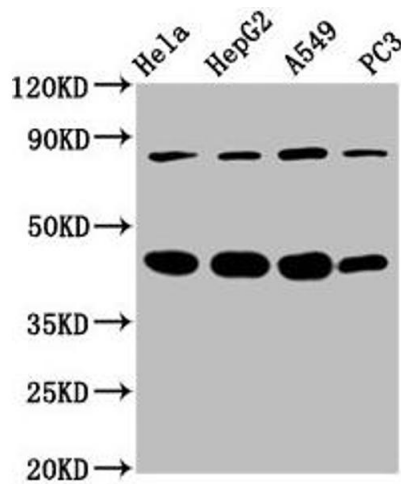
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



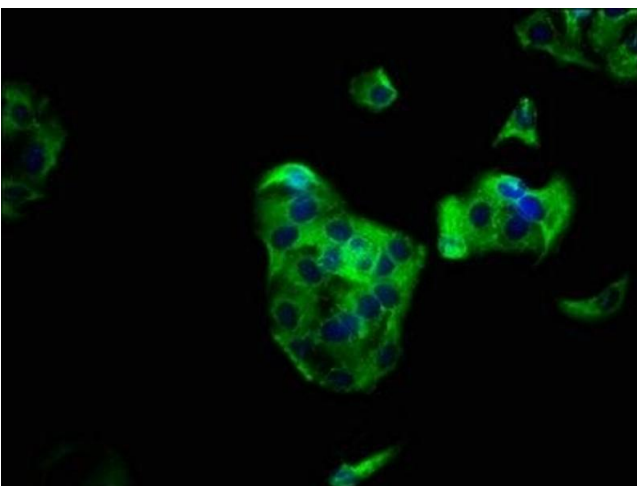
Immunohistochemistry

Image 1. IHC image of ABIN7163299 diluted at 1:400 and staining in paraffin-embedded human appendix tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate, HepG2 whole cell lysate, A549 whole cell lysate, PC-3 whole cell lysate All lanes: PIK3R6 antibody at 3.4 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 85 kDa Observed band size: 85 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7163299 at 1:133, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7163299.