Datasheet for ABIN392817

anti-PIK3 gamma antibody (AA 518-547)

2 Images

Go to Product page

Overview

Quantity:	400 µL
Target:	PIK3 gamma (PIK3CG)
Binding Specificity:	AA 518-547
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3 gamma antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PI3KCG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 518-547 amino acids from the Central region of human PI3KCG.
Clone:	RB11630
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PIK3 gamma (PIK3CG)
Alternative Name:	PI3KCG (PIK3CG Products)

 Copyright antibodies-online. All rights reserved.

Target Details

Background:	PIK3CG belongs to the pi3/pi4-kinase family of proteins. It is an enzyme that phosphorylates phosphoinositides on the 3-hydroxyl group of the inositol ring. It is an important modulator of extracellular signals, including those elicited by E-cadherin-mediated cell-cell adhesion, which plays an important role in maintenance of the structural and functional integrity of epithelia. In addition to its role in promoting assembly of adherens junctions, the protein is thought to play a pivotal role in the regulation of cytotoxicity in NK cells. The gene for this protein is located in a commonly deleted segment of chromosome 7 previously identified in myeloid leukemias.
Molecular Weight:	126454
Gene ID:	5294
NCBI Accession:	NP_001269355, NP_001269356, NP_002640
UniProt:	P48736
Pathways:	PI3K-Akt Signaling, RTK Signaling, AMPK Signaling, TLR Signaling, Inositol Metabolic Process, Hepatitis C, VEGF Signaling

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:10~50
Restrictions:	For Research Use only

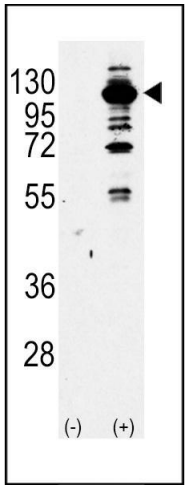
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

 Copyright antibodies-online. All rights reserved.

Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded skeletal muscle tissue reacted with PI3KCG antibody (Center) (ABIN392817 and ABIN2842248) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of PI3KCG Antibody (Center) Pab (ABIN392817 and ABIN2842248) (arrow) using purified Pab. 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PI3KCG gene (Lane 2) (Origene Technologies).

Copyright antibodies-online. All rights reserved.