

Datasheet for ABIN392564
anti-PIK3CD antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	PIK3CD
Binding Specificity:	AA 85-114, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3CD antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	This PI3KCD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-114 amino acids from the N-terminal region of human PI3KCD.
Clone:	RB11627
Isotype:	Ig Fraction
Predicted Reactivity:	M
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PIK3CD
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Target Details

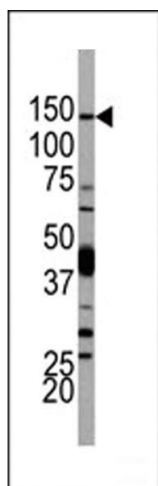
Alternative Name:	PI3KCD (PIK3CD Products)
Background:	Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. See MIM 602838. The class I PI3Ks display a broad phosphoinositide lipid substrate specificity and include p110-alpha , p110-beta, and p110-gamma. p110-alpha and p110-beta interact with SH2/SH3-domain-containing p85 adaptor proteins and with GTP-bound Ras.
Molecular Weight:	119479
Gene ID:	5293
NCBI Accession:	NP_005017
UniProt:	O00329
Pathways:	BCR Signaling , Warburg Effect

Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

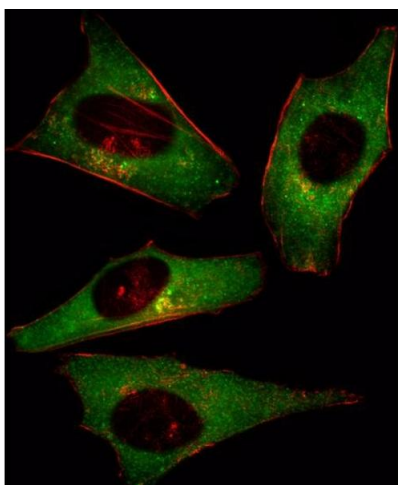
Handling

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



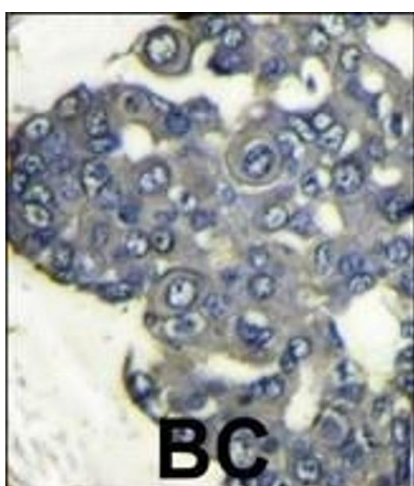
Western Blotting

Image 1. Western blot analysis of anti-PI3KCD Antibody (N-term) Pab ((ABIN392564 and ABIN2842107)) in 293 cell line lysates. PI3KCD Antibody (N-term)(arrow) was detected using the purified Pab.



Immunofluorescence

Image 2. Fluorescent image of HeLa cell stained with PI3KCD Antibody (N-term) (ABIN392564 and ABIN2842107). HeLa cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with PI3KCD primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). PI3KCD immunoreactivity is localized to Cytoplasm significantly.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin-embedded human breast carcinoma reacted with PI3KCD Antibody (N-term) (ABIN392564 and ABIN2842107), 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.