

Datasheet for ABIN652426
anti-PIK3CB antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	PIK3CB
Binding Specificity:	AA 124-154, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3CB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIK3CB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-154 amino acids from the N-terminal region of human PIK3CB.
Clone:	RB11625
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PIK3CB
Alternative Name:	PIK3CB (PIK3CB Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor,

Target Details

generally the γ phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains.

Molecular Weight: 122762

Gene ID: 5291

NCBI Accession: [NP_006210](#)

UniProt: [P42338](#)

Application Details

Application Notes: WB: 1:1000. 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.

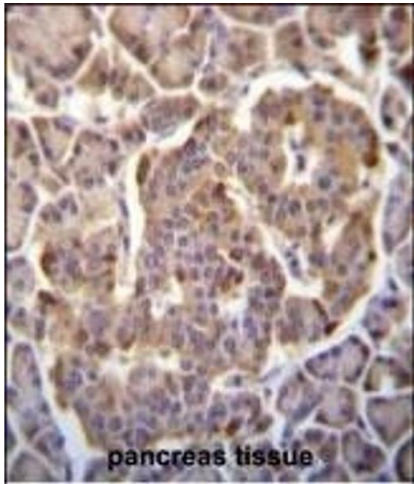
Preservative: Sodium azide

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

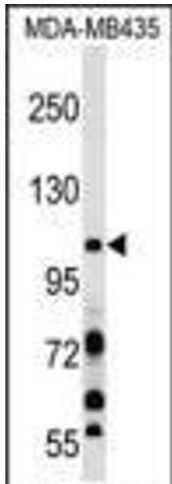
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



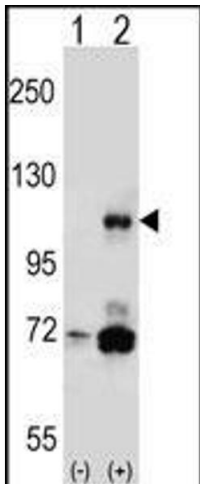
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. PIK3CB Antibody (N-term) (ABIN652426 and ABIN2842105) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PIK3CB Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. PIK3CB Antibody (N-term) (ABIN652426 and ABIN2842105) western blot analysis in MDA-M cell line lysates (35 µg/lane). This demonstrates the PIK3CB antibody detected the PIK3CB protein (arrow).



Western Blotting

Image 3. Western blot analysis of PIK3CB (arrow) using rabbit polyclonal PIK3CB Antibody (N-term) (ABIN652426 and ABIN2842105). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PIK3CB gene.