

Datasheet for ABIN392581

anti-PIK3R2 antibody (AA 445-474)**2** Images[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	PIK3R2 (PI3K p85b)
Binding Specificity:	AA 445-474
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIK3R2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 445-474 amino acids from human PIK3R2.
Clone:	RB13091
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	PIK3R2 (PI3K p85b)
Alternative Name:	PIK3R2 (PI3K p85b Products)

Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, 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. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. PIK3R2 binds to activated Protein Tyrosine Kinases, which are phosphorylated, through its SH2 domain, and acts as an adaptor, mediating the association of the P110 catalytic unit to the plasma membrane.
Molecular Weight:	81545
Gene ID:	5296
NCBI Accession:	NP_005018
UniProt:	O00459
Pathways:	VEGF Signaling , BCR Signaling

Application Details

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

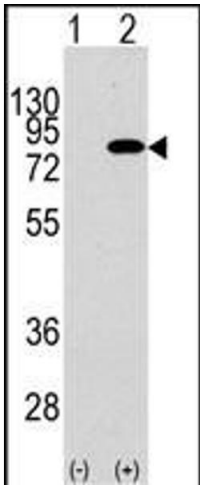
Handling

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



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with PIK3R2-p, 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 PIK3R2 (arrow) using rabbit polyclonal PIK3R2 Antibody (R). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the PIK3R2 gene (Lane 2) (Origene Technologies).