

Datasheet for ABIN6243583
anti-PIK3R2 antibody (AA 430-470)[Go to Product page](#)

1 Image

Overview

Quantity:	50 µL
Target:	PIK3R2 (PI3K p85b)
Binding Specificity:	AA 430-470
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 430-470 amino acids from human.
Clone:	RB48985
Isotype:	Ig Fraction
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)
Background:	Regulatory subunit of phosphoinositide-3-kinase (PI3K), a kinase that phosphorylates

Target Details

PtdIns(4,5)P2 (Phosphatidylinositol 4,5-bisphosphate) to generate phosphatidylinositol 3,4,5-trisphosphate (PIP3). PIP3 plays a key role by recruiting PH domain-containing proteins to the membrane, including AKT1 and PDK1, activating signaling cascades involved in cell growth, survival, proliferation, motility and morphology. Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Indirectly regulates autophagy (PubMed:< a href="http://www.uniprot.org/citations/23604317" target="_blank">23604317). Promotes nuclear translocation of XBP1 isoform 2 in a ER stress- and/or insulin- dependent manner during metabolic overloading in the liver and hence plays a role in glucose tolerance improvement (By similarity).

Molecular Weight: 81545

UniProt: [O00459](#)

Pathways: [VEGF Signaling](#), [BCR Signaling](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

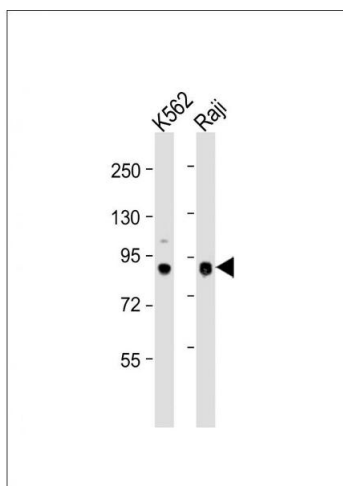
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

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

Expiry Date: 6 months



Western Blotting

Image 1. All lanes : Anti-PIK3R2 Antibody at 1:2000 dilution
 Lane 1: K562 whole cell lysate Lane 2: Raji whole cell lysate
 Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 82 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.