

Datasheet for ABIN7163168

anti-PIK3R2 antibody (Regulatory Subunit beta) (Biotin)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PIK3R2 (PI3K p85b)
Binding Specificity:	AA 75-125, Regulatory Subunit beta
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R2 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Phosphatidylinositol 3-kinase regulatory subunit beta protein (75-125AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	PIK3R2 (PI3K p85b)
Alternative Name:	PIK3R2 (PI3K p85b Products)
Background:	Background: Regulatory subunit of phosphoinositide-3-kinase (PI3K), a kinase that phosphorylates PtdIns(4,5)P2 (Phosphatidylinositol 4,5-bisphosphate) to generate

Target Details

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: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).

Aliases: p85 antibody, p85 beta antibody, P85B antibody, P85B_HUMAN antibody, Phosphatidylinositol 3 kinase antibody, Phosphatidylinositol 3 kinase regulatory beta subunit antibody, Phosphatidylinositol 3 kinase regulatory subunit beta antibody, Phosphatidylinositol 3 kinase regulatory subunit polypeptide 2 antibody, Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 2 (p85 beta) antibody, Phosphatidylinositol 3-kinase 85 kDa regulatory subunit beta antibody, Phosphatidylinositol 3-kinase regulatory subunit beta antibody, Phosphoinositide 3 kinase regulatory subunit 2 (beta) antibody, Phosphoinositide 3 kinase regulatory subunit 2 antibody, Phosphoinositide 3 kinase regulatory subunit polypeptide 2 (p85 beta) antibody, Phosphoinositide 3 kinase regulatory subunit polypeptide 2 antibody, Phosphoinositide 3 kinase, regulatory subunit 2 (beta) antibody, Phosphoinositide 3 kinase, regulatory subunit 2 (p85 beta) antibody, PI3 kinase p85 beta subunit antibody, PI3 kinase p85 subunit beta antibody, PI3-kinase regulatory subunit beta antibody, PI3-kinase subunit p85-beta antibody, PI3K antibody, PI3K regulatory subunit beta antibody, PIK3R 2 antibody, PIK3R2 antibody, PtdIns 3 kinase p85 beta antibody, PtdIns-3-kinase regulatory subunit beta antibody, PtdIns-3-kinase regulatory subunit p85-beta antibody

UniProt: [O00459](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300

Handling

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.