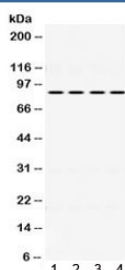


## PIK3R2 Antibody (R31788)

Catalog No.	Formulation	Size
R31788	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
<b>UniProt</b>	O00459
<b>Applications</b>	Western Blot : 0.1-0.5ug/ml
<b>Limitations</b>	This PIK3R2 antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) 22RV1, 3) MCF7 and 4) SW620 cell lysate with PIK3R2 antibody. Expected/observed molecular weight ~85 kDa.

## Description

PIK3R2 (Phosphatidylinositol 3-kinase, regulatory subunit 2), also called p85-Beta, is an enzyme that in humans is encoded by the PIK3R2 gene. The PIK3R2 gene is mapped on 19p13.11. Phosphatidylinositol 3-kinase (PI3K) is a lipid kinase that phosphorylates phosphatidylinositol and similar compounds, creating second messengers important in growth signaling pathways. PI3K functions as a heterodimer of a regulatory and a catalytic subunit. The protein encoded by this gene is a regulatory component of PI3K. Two transcript variants, one protein coding and the other non-protein coding, have been found for this gene.

## Application Notes

Optimal dilution of the PIK3R2 antibody should be determined by the researcher.

## Immunogen

Amino acids KYQQDQIVKEDSVEAVGAQLKVYHQQYQDKSREYDQL of human PIK3R2 were used as the immunogen for the PIK3R2 antibody.

## Storage

After reconstitution, the PIK3R2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.