

Datasheet for ABIN6992056
anti-PIK3R4 antibody (C-Term)



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Overview

Quantity:	0.1 mg
Target:	PIK3R4
Binding Specificity:	AA 1290-1340, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	PIK3R4 antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PIK3R4. The immunogen is located within amino acids 1290 - 1340 of PIK3R4.
Isotype:	IgG
Specificity:	PIK3R4 antibody is human, mouse and rat reactive.
Purification:	PIK3R4 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PIK3R4
Alternative Name:	PIK3R4 (PIK3R4 Products)

Target Details

Background:	PIK3R4 (phosphoinositide-3-kinase regulatory subunit 4, also known as VPS15) is a 150kD adaptor protein that enhances the lipid kinase activity of PIK3 complexes and may be involved in regulating membrane trafficking late in the endocytic pathway and autophagy (1,2). PIK3R4 is ubiquitously expressed and contains 7 WD repeats, 3 HEAT repeats and 1 protein kinase domain (1). PIK3R4 is crucial for VPS34 function and is necessary for autophagosome formation in multicellular animals and reveal an important role of VPS15 in cellular protection against ubiquitin-positive protein aggregates (3-5).
Molecular Weight:	Predicted: 149 kDa Observed: 140 kDa
Gene ID:	30849
NCBI Accession:	NP_055417
UniProt:	Q99570

Application Details

Application Notes:	PIK3R4 antibody can be used for detection of PIK3R4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PIK3R4 antibody is supplied in PBS containing 0.02 % 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:	-20 °C, 4 °C

Handling

Storage Comment: PIK3R4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.