

Datasheet for ABIN2786003  
**anti-PIK3R5 antibody (N-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	PIK3R5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Rabbit, Guinea Pig, Horse, Cow, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R5 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PIK3R5
Sequence:	HRFLTWPVPY CSICQELLTF IDAELKAPGI SYQLVRAEQ GLPIRSHRSS
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 85%
Characteristics:	This is a rabbit polyclonal antibody against PIK3R5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PIK3R5
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## Target Details

Alternative Name:	PIK3R5 ( <a href="#">PIK3R5 Products</a> )
Background:	<p>Receptor-regulated class I phosphoinositide 3-kinases (PI3Ks) phosphorylate the membrane lipid phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) to PtdIns(3,4,5)P3, which in turn recruits and activates cytosolic effectors involved in proliferation, survival, or chemotaxis. PIK3R5 is a PI3K regulatory subunit. Receptor-regulated class I phosphoinositide 3-kinases (PI3Ks) phosphorylate the membrane lipid phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2) to PtdIns(3,4,5)P3, which in turn recruits and activates cytosolic effectors involved in proliferation, survival, or chemotaxis. PIK3R5 is a PI3K regulatory subunit (Brock et al., 2003 [PubMed 12507995]). [supplied by OMIM]. Sequence Note: removed 2 bases from the 3' end that did not align to the reference genome assembly. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-3253 AF128881.1 1-3253</p> <p>Alias Symbols: F730038I15Rik, FOAP-2, P101-PI3K, p101</p> <p>Protein Interaction Partner: APP, UBC, SDHB, PIK3CG,</p> <p>Protein Size: 880</p>
Molecular Weight:	97 kDa
Gene ID:	23533
NCBI Accession:	<a href="#">NM_014308</a> , <a href="#">NP_055123</a>
UniProt:	<a href="#">Q8WYR1</a>
Pathways:	<a href="#">PI3K-Akt Signaling</a> , <a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a> , <a href="#">VEGF Signaling</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 880 AA
Restrictions:	For Research Use only

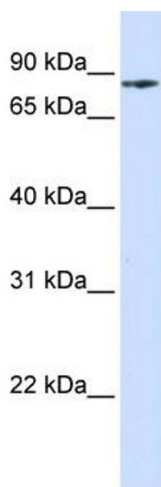
## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

## Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images



### Western Blotting

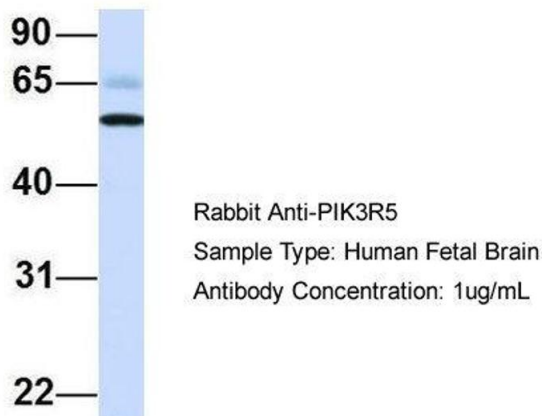
#### Image 1. WB Suggested Anti-PIK3R5 Antibody Titration:

0.2-1 ug/ml

**ELISA Titer:** 1:1562500

**Positive Control:** Human Placenta

## PIK3R5



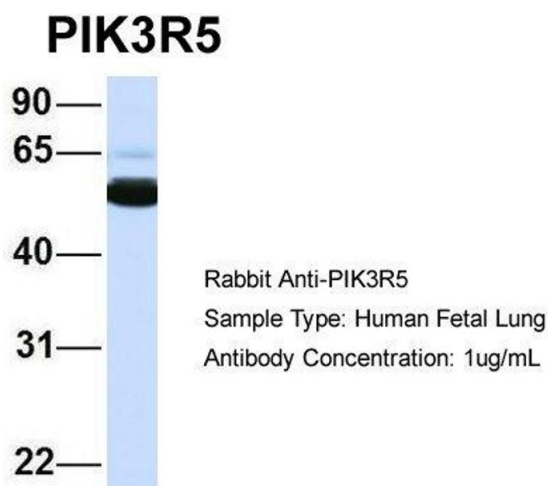
### Western Blotting

#### Image 2. Host: Rabbit

Target Name: PIK3R5

Sample Tissue: Human Fetal Brain

Antibody Dilution: 1.0 µg/mL



Western Blotting
<b>Image 3.</b> Host: Rabbit
Target Name: PIK3R5
Sample Tissue: Human Fetal Lung
Antibody Dilution: 1.0 µg/mL

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2786003.