

Datasheet for ABIN392572  
**anti-PIK3R1 antibody (AA 558-587)**



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2 Images

## Overview

Quantity:	400 µL
Target:	PIK3R1 (PI3K p85a)
Binding Specificity:	AA 558-587
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	This PIK3R1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 558-587 amino acids from human PIK3R1.
Clone:	RB13326
Isotype:	Ig Fraction
Predicted Reactivity:	X, B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	PIK3R1 (PI3K p85a)
Alternative Name:	PIK3R1 ( <a href="#">PI3K p85a Products</a> )

## Target Details

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Background:	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance.
Molecular Weight:	83598
Gene ID:	5295
NCBI Accession:	<a href="#">NP_001229395</a> , <a href="#">NP_852556</a> , <a href="#">NP_852664</a> , <a href="#">NP_852665</a>
UniProt:	<a href="#">P27986</a>
Pathways:	<a href="#">TCR Signaling</a> , <a href="#">Response to Growth Hormone Stimulus</a> , <a href="#">Regulation of Muscle Cell Differentiation</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">VEGF Signaling</a> , <a href="#">BCR Signaling</a> , <a href="#">Warburg Effect</a>

## Application Details

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Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

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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

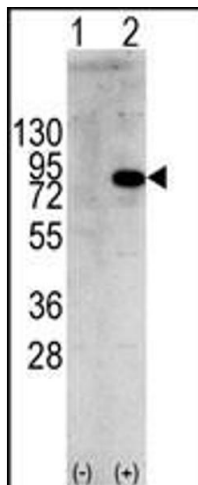
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PIK3R1-p, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



#### Western Blotting

**Image 2.** Western blot analysis of PIK3R1 (arrow) using rabbit polyclonal PIK3R1 Antibody f. 293 cell lysates (2  $\mu$ g/lane) either nontransfected (Lane 1) or transiently transfected with the PIK3R1 gene (Lane 2) (Origene Technologies).