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Datasheet for ABIN6264192 anti-PIK3R1 antibody (C-Term)

2 Images

3 Publications



Overview

Quantity:	100 µL
Target:	PIK3R1 (PI3K p85a)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human PI3K p85 alpha, corresponding to a region within C- terminal amino acids.
Isotype:	lgG
Specificity:	PI3K p85 alpha Antibody detects endogenous levels of total PI3K p85 alpha.
Predicted Reactivity:	Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:

PIK3R1 (PI3K p85a)

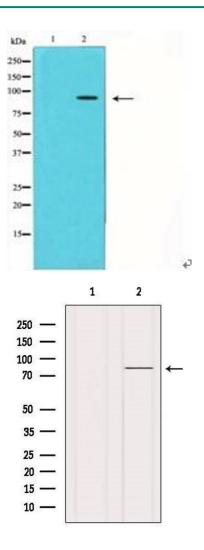
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN6264192 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	PIK3R1 (PI3K p85a Products)
Background:	Description: Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Plays an important role in signaling in response to FGFR1, FGFR2, FGFR3, FGFR4, KITLG/SCF, KIT, PDGFRA and PDGFRB. Likewise, plays a role in ITGB2 signaling (PubMed:17626883, PubMed:19805105, PubMed:7518429). Modulates the cellular response to ER stress by promoting 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 (PubMed:20348923). Gene: PIK3R1
Molecular Weight:	85 kDa
Gene ID:	5295
UniProt:	P27986
Pathways:	TCR Signaling, Response to Growth Hormone Stimulus, Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development, Hepatitis C, Protein targeting to Nucleus, VEGF Signaling, BCR Signaling, Warburg Effect
Application Details	
Application Notes:	WB 1:500-1:2000, IF/ICC 1:100-1:500, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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

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Handling	
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months
Publications	
Product cited in:	Liu, Zheng, Zhang, Wang, Yang, Bai, Dai: "Fucoxanthin Activates Apoptosis via Inhibition of PI3K/Akt/mTOR Pathway and Suppresses Invasion and Migration by Restriction of p38-MMP-2/9 Pathway in Human Glioblastoma Cells." in: Neurochemical research , Vol. 41, Issue 10, pp. 2728-2751, (2017) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of PI3-kinase p85-alpha expression in COS7 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.

Western Blotting

Image 2. Western blot analysis of extracts from Hela, using PI3-kinase p85-alpha Antibody. Lane 1 was treated with the blocking peptide.

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