

## Datasheet for ABIN5557516 **anti-PIK3R1 antibody**

### 2 Images



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### Overview

Quantity:	100 µL
Target:	PIK3R1 (PI3K p85a)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PIK3R1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	Recombinant human PI 3 Kinase p85 alpha protein, around 600-700aa.
Clone:	2G4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

### Target Details

Target:	PIK3R1 (PI3K p85a)
Alternative Name:	PI 3 Kinase p85 alpha ( <a href="#">PI3K p85a Products</a> )
Background:	Synonyms: p85, AGM7, GRB1, IMD36, p85-ALPHA, Phosphatidylinositol 3-kinase regulatory subunit alpha, PI3-kinase regulatory subunit alpha, PI3K regulatory subunit alpha, PtdIns-3-

## Target Details

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kinase regulatory subunit alpha, Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha, PI3-kinase subunit p85-alpha, PtdIns-3-kinase regulatory subunit p85-alpha, PIK3R1

Background: Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p11 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.

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Gene ID: 5295

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UniProt: [P27986](#)

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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

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Application Notes: WB 1:1000-2000

IF(ICC) 1:50-200

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Concentration: 1 µg/µL

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Buffer: Aqueous buffered solution containing 1xTBS (pH 7.4), 1 % BSA, 40 % Glycerol and 0.05 % Sodium Azide.

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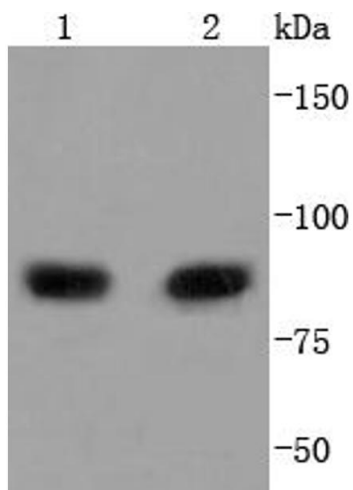
Storage: -20 °C

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Storage Comment: Store at -20°C for 12 months.

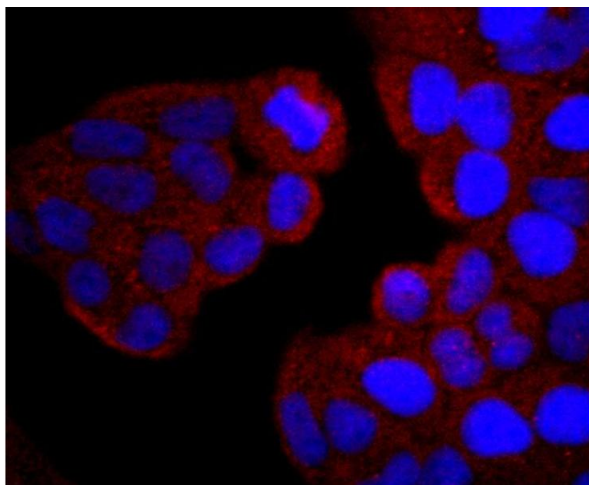
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Expiry Date: 12 months



#### Western Blotting

**Image 1.** Lane 1: MCF-7, Lane 2: Raji lysate probed with PI 3 Kinase p85 alpha (2G4) Monoclonal Antibody at 1:1000 overnight at 4°C. Followed by a conjugated secondary antibody .



#### Immunofluorescence (Cultured Cells)

**Image 2.** HeLa cells were stained with PI 3 Kinase p85 alpha (2G4) Monoclonal Antibody at [1:200] incubated overnight at 4C, followed by secondary antibody incubation, DAPI staining of the nuclei and detection.