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Datasheet for ABIN7139011

## anti-PIK3R1/PIK3R3 antibody (pTyr467)

### 1 Image

#### Overview

Quantity:	100 µL
Target:	PIK3R1/PIK3R3 (PIK3R3A)
Binding Specificity:	pTyr467
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIK3R1/PIK3R3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

#### Product Details

Immunogen:	Peptide sequence around phosphorylation site of tyrosine 467 (L-Y(p)-E-E-Y) derived from Human PI3 Kinase p85/p55.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

#### Target Details

Target:	PIK3R1/PIK3R3 (PIK3R3A)
Alternative Name:	PIK3R1/PIK3R3 ( <a href="#">PIK3R3A Products</a> )

## Target Details

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Background:	<p>Background:</p> <p>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.</p> <p>Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues. Binds to activated (phosphorylated) protein-tyrosine kinases through its SH2 domain and regulates their kinase activity. During insulin stimulation, it also binds to IRS-1./Binds to activated (phosphorylated) protein-tyrosine kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane.</p> <p>Stoyanov, B. et al. (1995) Science 269, 690-3.</p> <p>Simpson, L. and Parsons, R. (2001) Exp Cell Res 264, 29-41.</p> <p>Neri, L.M. et al. (2002) Biochim Biophys Acta 1584, 73-80.</p> <p>Aliases: p85, AGM7, p85-ALPHA, p55, p55-GAMMA</p>
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UniProt: [P27986](#), [Q92569](#)

## Application Details

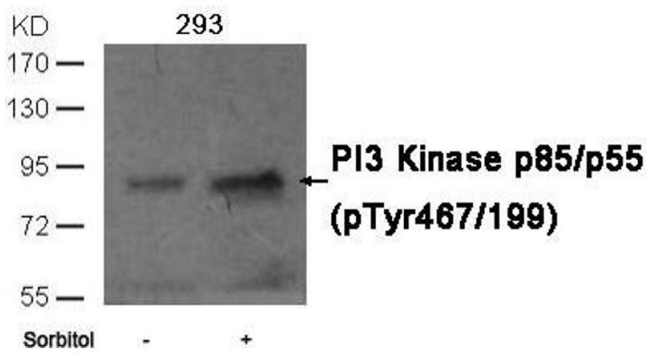
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Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



### Western Blotting

**Image 1.** Western blot analysis of extracts from 293 cells untreated or treated with sorbitol using PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody.