

# PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody

Catalog No: #11508

Package Size: #11508-1 50ul #11508-2 100ul

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## Description

Product Name	PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
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 non-phosphopeptide.
Applications	WB,IF,IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total PI3 Kinase p85/p55 only when phosphorylated at tyrosine 467/199.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 467 (L-Y(p)-E-E-Y) derived from Human PI3 Kinase p85/p55.
Conjugates	Unconjugated
Target Name	PI3 Kinase p85/p55
Modification	Phospho
Other Names	p85, AGM7, p85-ALPHA, p55, p55-GAMMA,PIK3R1
Accession No.	Swiss-Prot: P27986 Q92569 NCBI Protein: NP_001229395.1 NP_001107644.1
SDS-PAGE MW	55,85kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

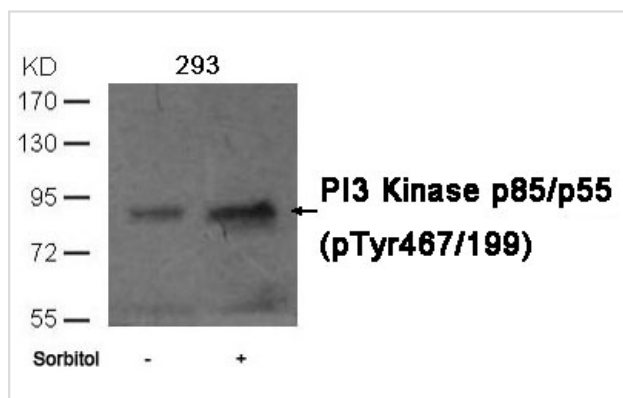
Predicted MW: 55, 85kd

Western blotting: 1:500~1:2000

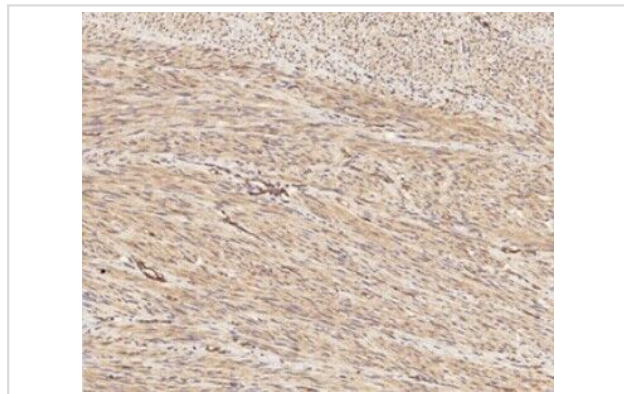
IHC:1:100~1:300

IF:1:100-1:500

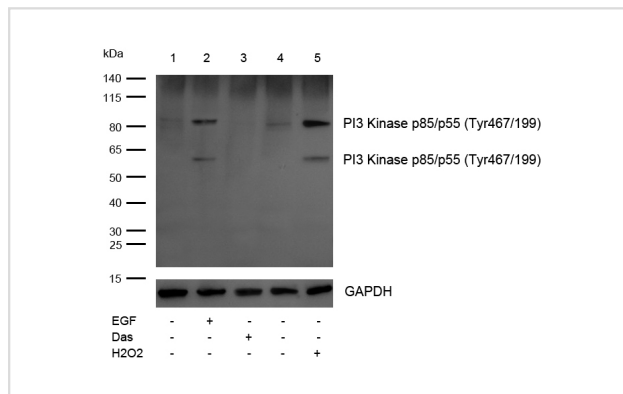
## Images



Western blot analysis of extracts from 293 cells untreated or treated with sorbitol using PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody #11508.



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue.



All lanes : PI3 Kinase p85/p55 (phospho-Tyr467/199) Antibody at 1/500 dilution Lane 1 : MCF-7 whole cell lysates Lane 2 : MCF-7 treated with 100ng/mL EGF for 15 min whole cell lysates Lane 3 : MCF-7 treated with 200nM Dasatinib for 24hr whole cell lysates Lane 4 : JK whole cell lysates Lane 5 : JK treated with 2mM H2O2 for 15 min whole cell lysates Lysates/proteins at 20 µg per lane. Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution Predicted band size: 55 kDa Observed band size: 60,85 kDa Exposure time: 9 seconds

## Background

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. 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.