

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

Catalog No: #11508

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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	PI3 Kinase p85/p55 (phospho-Tyr467/199)Antibody
Host Species	Rabbit
Clonality	Polyclonal
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
Species Reactivity	Hu Ms Rt
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.
Target Name	PI3 Kinase p85/p55
Modification	Phospho
Other Names	p85, AGM7, p85-ALPHA, p55, p55-GAMMA, PIK3R1
Accession No.	Swiss-Prot:P27986Gene ID:5295
Uniprot	P27986
GeneID	5295;
SDS-PAGE MW	55,85kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 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.

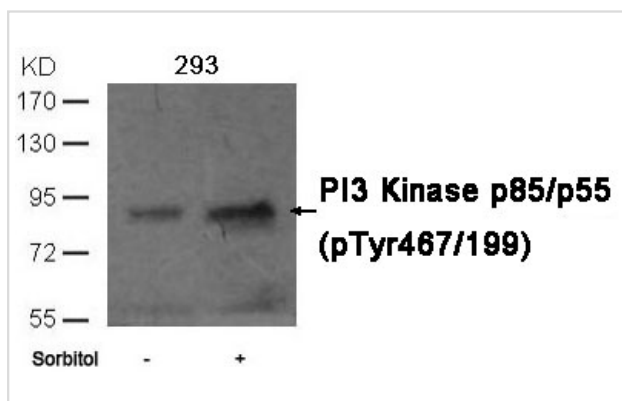
Application Details

Predicted MW: 55, 85kd

Western blotting: 1:500~1:1000

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.

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.

Stoyanov, B. et al. (1995) Science 269, 690-3.

Simpson, L. and Parsons, R. (2001) Exp Cell Res 264, 29-41.

Neri, L.M. et al. (2002) Biochim Biophys Acta 1584, 73-80.

Note: This product is for in vitro research use only