

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

Catalog No: #11508



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

Orders: order@signalwayantibody.com

Support: 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,IHC
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: 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 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

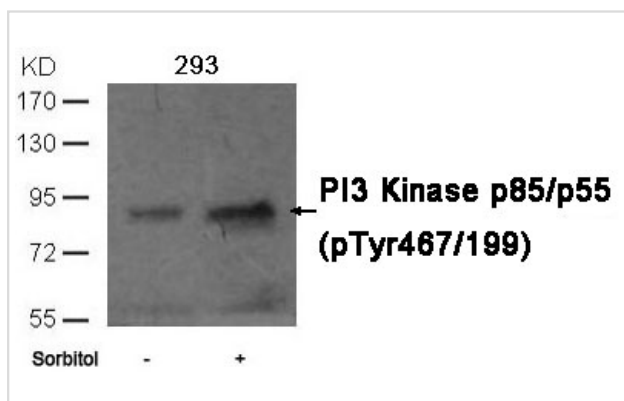
Predicted MW: 55, 85kd

Western blotting: 1:500~1:1000

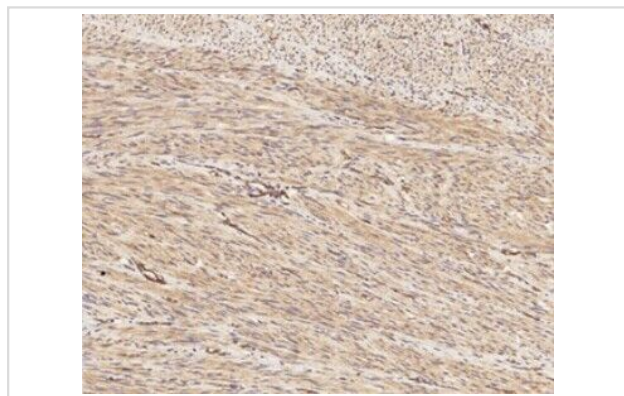
IHC: 1/100 - 1/300

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.

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.

Published Papers

el at., Alleviative effects of α -lipoic acid on muscle atrophy via the modulation of TNF- α /JNK and PI3K/AKT pathways in high-fat diet and streptozotocin-induced type 2 diabetic ratsInFood Sci NutrOn2023 Jan 12byChih-Yuan Ko 1 2 3, Chi-Hao Wu et al..PMID: 37051351, , (2023)

[PMID:37051351](#)

el at., Histone Methyltransferase KMT2B Promotes Metastasis and Angiogenesis of Cervical Cancer by Upregulating EGF ExpressionIn Int J Biol SciOn2023 Jan 15byDan Zhao , Hui Yuan et al..PMID:36594087, , (2023)

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el at., Effect of Fushengong Decoction on PTEN/PI3K/AKT/NF- κ B Pathway in Rats With Chronic Renal Failure via Dual-Dimension Network Pharmacology Strategy.In Front Pharmacol on 2022 Mar 15 by Hongyu Luo, Munan Wang,et al..PMID: 35370667, , (2022)

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2020 Nov 30 by Yilu Qin, Yixuan Hou, et al..PMID:33511005, , (2021)

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el at., Okadaic acid promotes epithelial mesenchymal transition of hepatocellular carcinoma cells by inhibiting protein phosphatase 2A. In *J Cell Biochem* on 2020 Jan 6. by Kong J, Li D, et al..PMID: 31904141, , (2020)

[PMID:31587272](#)

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el at., Cardioprotection of (%2B)-sodium 5-bromo-2-(α -hydroxypentyl) benzoate (BZP) on mouse myocardium I/R injury through inhibiting 12/15-LOX-2 activity. In *J Mol Cell Cardiol* on 2019 Oct by Xiao Y, Song C, et al..PMID:31362020, , (2019)

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el at., An alternatively spliced variant of CXCR3 mediates the metastasis of CD133+ liver cancer cells induced by CXCL9. In *Oncotarget* on 2016 Mar 22 by Qiang Ding, Yujia Xia et al..PMID:26883105, , (2016)

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el at., Angiotensin-like 3 induces podocyte F-actin rearrangement through integrin α 5 β 1 FAK/PI3K pathway-mediated Rac1 activation. In *Biomed Res Int* on 2013 by Lin Y, Rao J, et al..PMID:24294595, , (2013)

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et al..PMID: 24294595

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[PMID:24294595](#)

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