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

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| 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 chromatogramphy 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 Mg2+ and Ca2+), 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. | |
| | | |

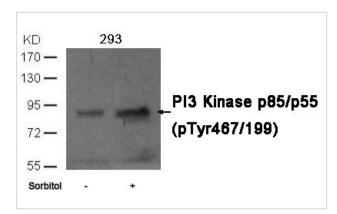
Application Details

Predicted MW: 55, 85kd

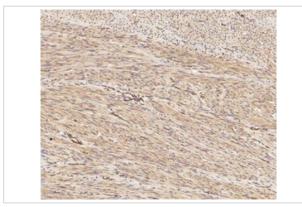
Western blotting: 1:500~1:1000

IHC: 1/100 - 1/300 IF 1:100-1:500

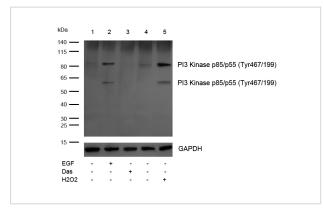
Images



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.



All lanes: Pl3 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.