

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. |

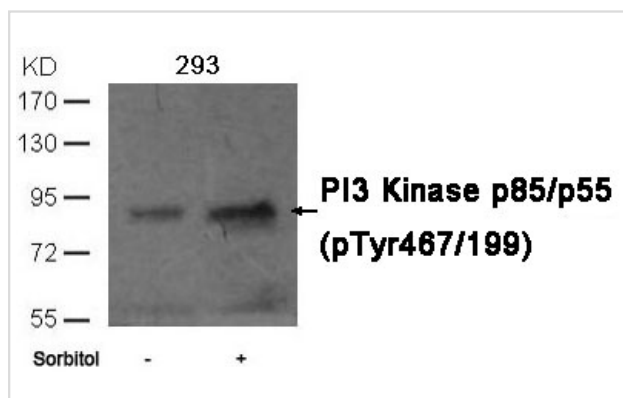
Application Details

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