

PI 3 kinase p85/p55 (Phospho Tyr467/199) Antibody

Catalog No: #62171

Package Size: #62171 100ul



Signalway Antibody

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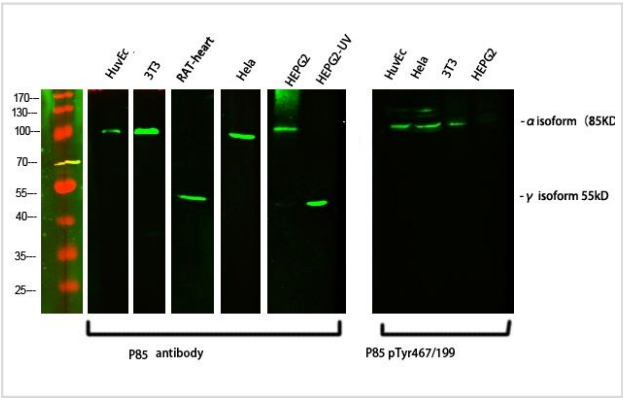
Description

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | PI 3 kinase p85/p55 (Phospho Tyr467/199) Antibody                                                                                                  |
| Host Species          | Rabbit                                                                                                                                             |
| Clonality             | Polyclonal                                                                                                                                         |
| Purification          | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Applications          | WB;IHC;IF                                                                                                                                          |
| Species Reactivity    | Human; Mouse; Rat                                                                                                                                  |
| Specificity           | The antibody detects endogenous level of PI 3 kinase p85/p55 only when phosphorylated at Tyr467/199.                                               |
| Immunogen Type        | Peptide                                                                                                                                            |
| Immunogen Description | The antiserum was produced against synthesized peptide derived from human PI3-kinase p85-alpha/gamma around the phosphorylation site of Tyr467/199 |
| Target Name           | PIK3R1 ;GRB1 ;Phosphatidylinositol 3-kinase regulatory subunit alpha ;                                                                             |
| Calculated MW         | 55kD;85kDa                                                                                                                                         |
| Formulation           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                            |
| Storage               | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                                                    |

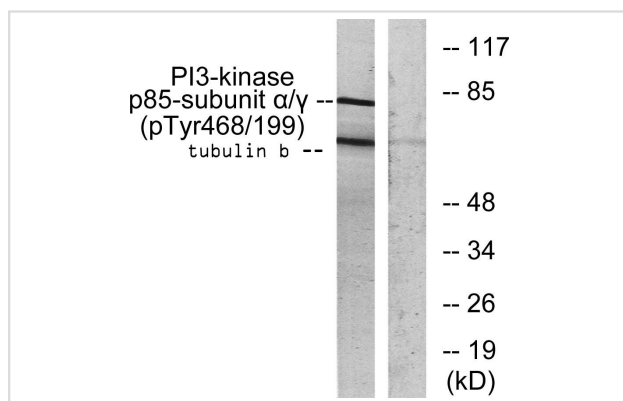
Application Details

WB 1:500-1:2000; IHC 1:100-1:300; IF 1:200-1:1000;

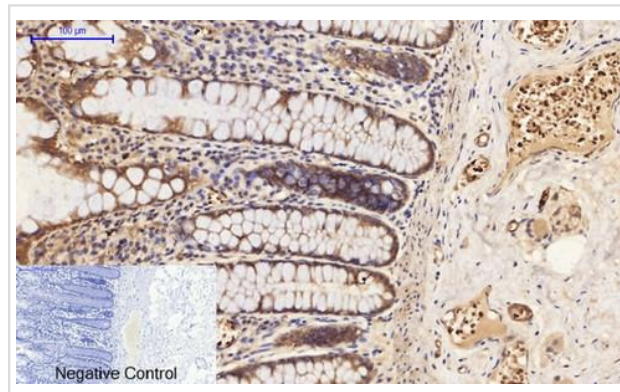
Images



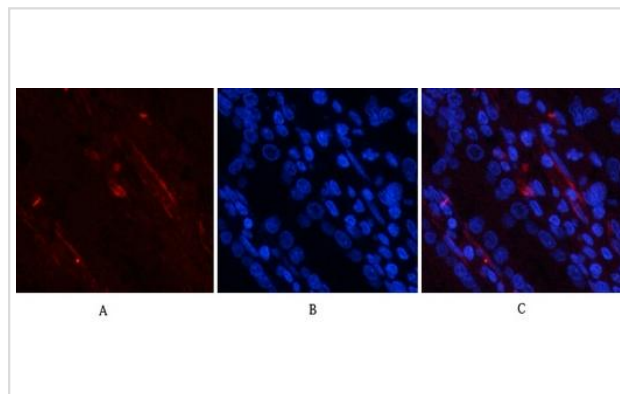
All lanes : PI 3 kinase p85/p55 (Phospho Tyr467/199)  
Antibody at 1/1k dilution  
Lane 1 : HUVEC whole cell lysates  
Lane 2 : HeLa whole cell lysates    Lane 3 : 3T3 whole cell lysates  
Lane 4 : HepG2 whole cell lysates  
Lysates/proteins at 20 ug per lane.  
Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution  
Predicted band size: 83,54 kDa  
Observed band size: 85,55 kDa  
Exposure time: 21 seconds



All lanes : PI 3 kinase p85/p55 (Phospho Tyr467/199)  
Antibody at 1/1k dilution  
Lane 1 : COS7 cells treated with H<sub>2</sub>O<sub>2</sub> 100uM 30', using PI3-kinase p85-alpha/gamma (Phospho-Tyr467/199) Antibody. The lane on the right is blocked with the phospho peptide.  
Lysates/proteins at 20 ug per lane.  
Secondary All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/5000 dilution  
Predicted band size: 83,54 kDa  
Observed band size: 85,55 kDa  
Exposure time: 15 seconds



Formalin-fixed, paraffin-embedded Human-colon tissue stained for PI 3 kinase p85/p55 (Phospho Tyr467/199)  
Antibody was diluted at 1:200 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence PI 3 kinase p85/p55 (Phospho Tyr467/199) Antibody staining PI 3 kinase p85/p55 (Phospho Tyr467/199) Antibody in human-stomach tissue by ICC/IF. Samples were incubated with Antibody at a working dilution of 1/200. Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min).  
Picture B: DAPI (blue) 10min. Picture A: Target. Picture C: merge of A+B

## Background

Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011]

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