PI 3 Kinase p85 alpha Rabbit mAb

Catalog No: #48848

Package Size: #48848-1 50ul #48848-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PI 3 Kinase p85 alpha Rabbit mAb
Clonality	Monoclonal
Clone No.	SU04-07
Purification	ProA affinity purified
Applications	WB IHC ICC/IF
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Synthetic peptide within C-terminal human PI 3 Kinase p85 alpha.
Conjugates	Unconjugated
Other Names	GRB1 antibody p85 alpha antibody p85 antibody P85A_HUMAN antibody Phosphatidylinositol 3 kinase associated p 85 alpha antibody Phosphatidylinositol 3 kinase regulatory 1 antibody Phosphatidylinositol 3 kinase, regulatory subunit, polypeptide 1 (p85 alpha) antibody Phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha antibody Phosphatidylinositol 3-kinase regulatory subunit alpha antibody Phosphoinositide 3 kinase, regulatory subunit 1 (alpha) antibody PI3 kinase p85 subunit alpha antibody PI3-kinase regulatory subunit alpha antibody PI3-kinase subunit p85-alpha antibody PI3K antibody PI3K regulatory subunit alpha antibody Pik3r1 antibody PtdIns 3 kinase p85 alpha antibody PtdIns-3-kinase regulatory subunit alpha antibody PtdIns-3-kinase regulatory subunit p85-alpha antibody
Accession No.	Swiss-Prot#:P27986
Calculated MW	Predicted band size: 84 kDa
SDS-PAGE MW	Observed band size: 84 kDa
Concentration	1 mg/mL
Formulation	1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

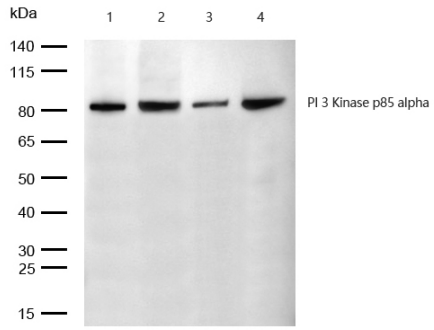
Application Details

WB: 1:500-1:2000

IHC: 1:50-1:200

ICC/IF: 1:50-1:200

Images



All lanes: PI 3 Kinase p85 alpha Rabbit mAb at 1/1k dilution

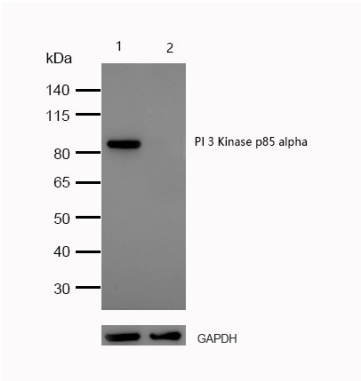
Lane 1 : 293 whole cell lysates
Lane 2 : HepG2 whole cell lysatesLane 3 : Mouse brain lysatesLane 4 : Rat brain lysates

Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) at 1/20000 dilution

Predicted band size: 84 kDa
Observed band size: 84 kDa

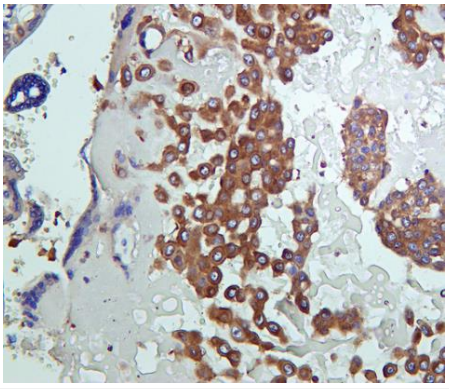
Exposure time: 4 seconds



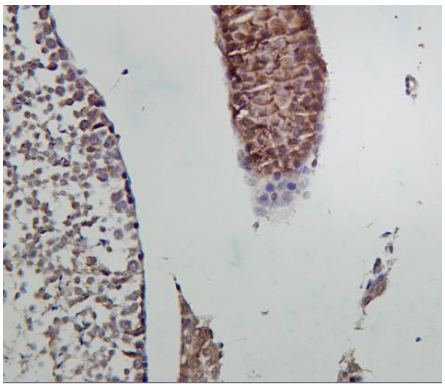
All lanes :PI 3 Kinase p85 alpha Rabbit mAb at 1/1k dilution

Lane 1 : Wild-type A549 cell lysate
Lane 2 : PI 3 Kinase p85 alpha knockdown A549 cell lysate

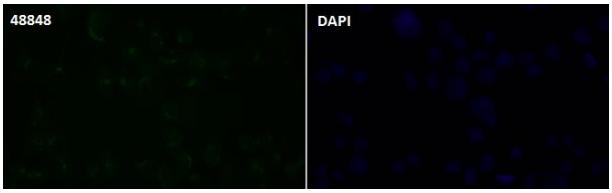
Lysates/proteins at 20 µg per lane.



Formalin-fixed, paraffin-embedded human placenta tissue stained for PI 3 Kinase p85 alpha using 48848 at 1/100 dilution in immunohistochemical analysis.



Formalin-fixed, paraffin-embedded mouse testis tissue stained for PI 3 Kinase p85 alpha using 48848 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence PI 3 Kinase p85 alpha antibody (48848) ICC/IF staining of PI 3 Kinase p85 alpha in Hela cells. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 48848 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

Nuclei were counterstained with DAPI.

Background

Phosphatidylinositol 3-kinase (PI 3-kinase) phosphorylates the 3' OH position of the inositol ring of inositol lipids and is composed of p85 and p110 subunits. PI 3-kinase p85 lacks PI 3-kinase activity and acts as an adapter, coupling p110 to activated protein tyrosine kinase. Two forms of p85 have been described (p85α and p85β), each possessing one SH3 and two SH2 domains. PI 3-kinase p85α, also known as GRB1, phosphatidylinositol 3-kinase regulatory 1 or p85, is a 724 amino acid protein that exists as four alternatively spliced isoforms. Involved in insulin metabolism, defects in the PI 3-kinase p85α gene have been linked to insulin resistance. PI 3-kinase p85α is polyubiquitinated in T-cells by Cbl-b, and has multiple phosphorylated amino acid residues, including a phosphorylated tyrosine residue at position 467.

Published Papers

el at., Effect of Fushengong Decoction on PTEN/PI3K/AKT/NF-KB 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)

PMID:35370667

el at., Effect of Fushengong Decoction on PTEN/PI3K/AKT/NF-κB 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)

PMID:35370667

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