

Recombinant PI3-Kinase p85 α Monoclonal Antibody

catalog number: AN30112L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

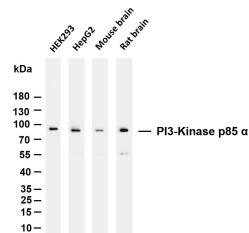
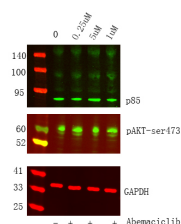
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant Human PI3-Kinase p85 α protein
Host	Rabbit
Isotype	IgG,κ
Clone	B867
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
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IHC	1:200-1000
WB	1:1000-5000
IF	1:200-1000
ELISA	1:5000-20000
IP	1:50-200

Data



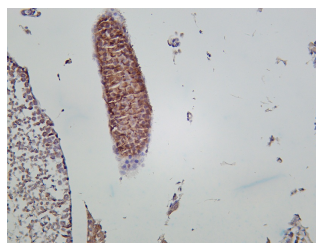
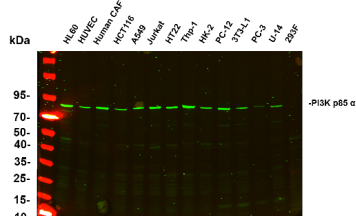
Western Blot analysis using HepG2 whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PI3-Kinase p85 α rabbit mAb diluted at 1:2000. anti-AKT (Phospho Ser473) Rabbit mAb diluted at 1:2000. Loading contrl: Mouse anti GAPDH Secondary : Dylight 800, Goat Anti Rabbit IgG Dylight 680, Goat Anti Rabbit IgG.

Observed-MW:84 kDa

Calculated-MW:84 kDa

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-PI3-Kinase p85 α antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HEK293 Lane 2: HepG2 Lane 3: Mouse brain Lane 4: Rat brain Predicted band size: 84kDa Observed band size:

84kDa



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Web: www.elabscience.com

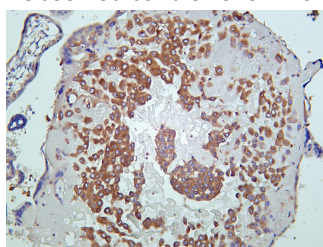
Tel: 1-832-243-6086
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Rev. V1.2

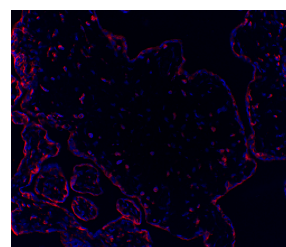
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4°C, over night with a 1:5000 dilution. The Dylight 800-conjugated Goat anti-Rabbit antibody was used to detect the antibody. Lane1: HL60 Lane2: HUVEC Lane3: Human CAF Lane4: HCT116 Lane5: A549 Lane6: Jurkat Lane7: HT22 Lane8: THP-1 Lane9: HK-2 Lane10: PC-12 Lane11: 3T3-L1 Lane12: PC-3 Lane13: U-14 Lane14: 293F. Predicted band size: 84kDa

Observed band size: 84kDa

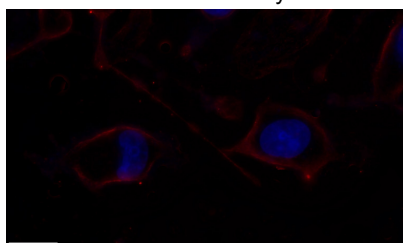


Human placenta was stained with Anti-PI3-Kinase p85 α rabbit Antibody

Mouse testis was stained with Anti-PI3-Kinase p85 α rabbit Antibody



Immunofluorescence analysis of Human placenta



Immunofluorescence analysis of MCF7 cell. 1, primary Antibody was diluted at 1:100(4°C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFuor 594 Secondary antibody was diluted at 1:500(room temperature, 50min).

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.

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