Recombinant PI3 Kinase p85 alpha Monoclonal Antibody

catalog number: **E-AB-81435**

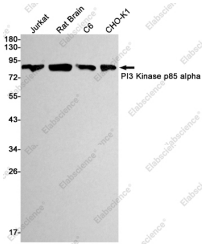
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Rat;Hamster
Immunogen	A synthetic peptide of human PI 3 Kinase p85 alpha
Host	Rabbit
Isotype	Rabbit IgG
Clone	C773221
Purification	Affinity Purified
Buffer	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.05% stabilizer and 0.05% protective protein.

Applications	Recommended Dilution
WB	1:500-1:1000
IF	1:20-1:100

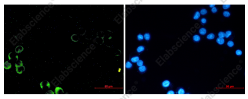
Data



Western blot detection of PI3 Kinase p85 alpha in Jurkat,C6,CHO-K1 cell lysates using PI3 Kinase p85 alpha Rabbit mAb(1:1000 diluted).Predicted band size:84kDa.Observed band size:84kDa.

Observed-MW:84 kDa

Calculated-MW:84 kDa



Immunofluorescence of PI3 Kinase p85 alpha (green) in MCF-7 using PI3 Kinase p85 alpha antibody at dilution 1:20, and DAPI(blue)

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Phosphatidylinositol 3-kinase (PI3K) plays an important role in the metabolic actions of insulin and is required for adipogenesis. The PI3K pathway has also been identified as an important player in cancer development and progression. The Class IA PI3K heterodimer,which is composed of a P110 catalytic subunit and a P85 regulatory subunit,is activated upon association of the P85 subunit with upstream adaptor proteins or receptor tyrosine kinase s. Mutations in PIK3R1 are implicated in cases of breast cancer and associated to SHORT syndrome.

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