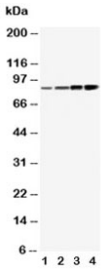
PI3K Antibody (p85 alpha) / PI3-kinase subunit p85 alpha (R30480)

Catalog No.	Formulation	Size
R30480	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Citations (1)

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P27986
Applications	Western blot: 0.5-1ug/ml
Limitations	This PI3K antibody is available for research use only.



Western blot testing of PI3K antibody and human lysates from 1) MCF-7, 2) HeLa, 3) COLO-320 and 4) SW620 cells. Predicted molecular weight ~85 kDa.

Description

Phosphatidylinositol 3-kinase regulatory subunit alpha is an enzyme that in humans is encoded by the PIK3R1 gene. The PI3K p85 subunit family has two closely related members, alpha and beta. Both cDNAs encode p85 subunits, each of which is a 724-amino acid polypeptide. 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.

Application Notes

Titration of the PI3K antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 65-80 (ERGDFPGTYVEYIGRK-alpha subunit specific) was used as the immunogen for this PI3K antibody (100% human, mouse and rat).

Storage

Store the lyophilized PI3K antibody at 4oC. After reconstitution, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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