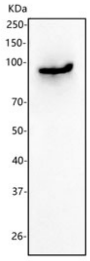
PIK3AP1 Antibody / BCAP (RQ8843)

Catalog No.	Formulation	Size
RQ8843	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-2 days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q6ZUJ8
Applications	Western blot: 1-2ug/ml ELISA: 0.1-0.5ug/ml
Limitations	This PIK3AP1 antibody is available for research use only.



Western blot testing of human HEL cell lysate with PIK3AP1 antibody. Predicted molecular weight ~90 kDa.

Description

Phosphoinositide 3-kinase adapter protein 1 is an enzyme that in humans is encoded by the PIK3AP1 gene. BCAP (B cell adaptor for phosphoinositide 3-kinase (PI3K)), also known as PI3KAP1, participates in linking the B cell antigen receptor (BCR) with the PI3K pathway. Tyrosine phosphorylation of BCAP by BCR-associated protein tyrosine kinases, such as Syk and Btk, generates binding sites for the p85 subunit of PI3K, resulting in activation of the PI3K pathway. Human and mouse BCAP contain 3 YXXM SH2 binding motifs for interaction with PI3K. BCAP null mice have deficient immune function, with B cells that exhibit enhanced apoptosis.

Application Notes

Optimal dilution of the PIK3AP1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids H78-R583) was used as the immunogen for the PIK3AP1 antibody.

Storage

After reconstitution, the PIK3AP1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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