

PIK3AP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12861b

Product Information

Application	WB, E
Primary Accession	Q6ZUJ8
Other Accession	NP_689522.2
Reactivity	Human
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32640
Calculated MW	90398
Antigen Region	639-668

Additional Information

Gene ID	118788
Other Names	Phosphoinositide 3-kinase adapter protein 1, B-cell adapter for phosphoinositide 3-kinase, B-cell phosphoinositide 3-kinase adapter protein 1, PIK3AP1, BCAP
Target/Specificity	This PIK3AP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 639-668 amino acids from the C-terminal region of human PIK3AP1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PIK3AP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIK3AP1
Synonyms	BCAP

Function	Signaling adapter that contributes to B-cell development by linking B-cell receptor (BCR) signaling to the phosphoinositide 3- kinase (PI3K)-Akt signaling pathway. Has a complementary role to the BCR coreceptor CD19, coupling BCR and PI3K activation by providing a docking site for the PI3K subunit PIK3R1. Alternatively, links Toll- like receptor (TLR) signaling to PI3K activation, a process preventing excessive inflammatory cytokine production. Also involved in the activation of PI3K in natural killer cells. May be involved in the survival of mature B-cells via activation of REL.
Cellular Location	Cytoplasm. Cell membrane; Peripheral membrane protein
Tissue Location	Expressed in natural killer (NK) cells.

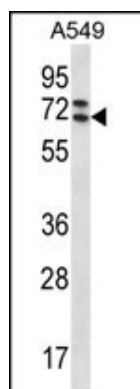
Background

PIK3AP1 is involved in the activation of phosphoinositide 3-kinase (PI3K) in B-cells and in natural killer (NK) cells. Couples B-cell antigen receptor (BCR) to PI3K activation by providing a docking site for the PI3K subunit PIK3R1, which contributes to B-cell development. Seems to have a complementary role with CD19 in PI3K activation (By similarity). May be involved in the survival of mature B cells via activation of REL (By similarity).

References

Koutros, S., et al. Cancer Res. 70(6):2389-2396(2010)
Rikova, K., et al. Cell 131(6):1190-1203(2007)
Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)
Maruoka, M., et al. FEBS Lett. 579(14):2986-2990(2005)
Okada, T., et al. Immunity 13(6):817-827(2000)

Images



PIK3AP1 Antibody (C-term) (Cat. #AP12861b) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the PIK3AP1 antibody detected the PIK3AP1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.