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PIK3IP1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13792b

Product Information

Application	WB, E
Primary Accession	Q96FE7
Other Accession	NP_443112.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34007
Calculated MW	28248
Antigen Region	178-207

Additional Information

Gene ID	113791
Other Names	Phosphoinositide-3-kinase-interacting protein 1, Kringle domain-containing protein HGFL, PIK3IP1, HGFL
Target/Specificity	This PIK3IP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 178-207 amino acids from the C-terminal region of human PIK3IP1.
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	PIK3IP1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PIK3IP1
Synonyms	HGFL
Function	Negative regulator of hepatic phosphatidylinositol 3-kinase (PI3K) activity.

Cellular Location Cell membrane; Single-pass type I membrane protein

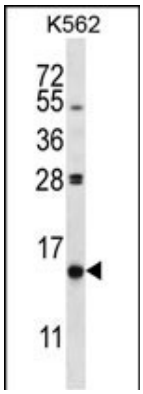
Background

PIK3IP1 is a novel protein that shares homology with the p85 subunit of phosphatidylinositol-3-Kinases (PI3Ks). The PI3K is essential for cell proliferation and Survival. The PIK3IP down regulates the activity of the PI3K and induces apoptosis by associating with p85 and p110 to form a complex, using the p85-like domain. However, there is no evidence to suggest that the PIK3IP1 prevents association of p85 and p110 as they associate with very high affinity.

References

Gao, P., et al. Beijing Da Xue Xue Bao 40(6):572-577(2008)
He, X., et al. Cancer Res. 68(14):5591-5598(2008)
Zhu, Z., et al. Biochem. Biophys. Res. Commun. 358(1):66-72(2007)
Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)
Collins, J.E., et al. Genome Biol. 5 (10), R84 (2004) :

Images



PIK3IP1 Antibody (C-term) (Cat. #AP13792b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the PIK3IP1 antibody detected the PIK3IP1 protein (arrow).