10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PIK3IP1 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13792b

Specification

PIK3IP1 Antibody (C-term) Blocking peptide - Product Information

Primary Accession Q96FE7

PIK3IP1 Antibody (C-term) Blocking peptide - Additional Information

Gene ID 113791

Other Names
Phosphoinositide-3-kinase-interacting protein 1, Kringle domain-containing protein HGFL, PIK3IP1, HGFL

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13792b was selected from the C-term region of PIK3IP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PIK3IP1 Antibody (C-term) Blocking peptide - 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

PIK3IP1 Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PIK3IP1 Antibody (C-term) Blocking peptide - Images

PIK3IP1 Antibody (C-term) Blocking peptide - 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.

PIK3IP1 Antibody (C-term) Blocking peptide - 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) :