

Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide

Synthetic peptide

Catalog # BP3903b

Specification**Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - Product Information**Primary Accession [O00750](#)**Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - Additional Information**

Gene ID 5287

Other Names

Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta, PI3K-C2-beta, PtdIns-3-kinase C2 subunit beta, C2-PI3K, Phosphoinositide 3-kinase-C2-beta, PIK3C2B

Target/Specificity

The synthetic peptide sequence is selected from aa 215-230 of HUMAN PIK3C2B

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.

Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - Protein Information

Name PIK3C2B

Function

Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns (PubMed:<a href="http://www.uniprot.org/citations/10805725"

Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - Background

Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns. Does not phosphorylate PtdIns(4,5)P2. May be involved in EGF and PDGF signaling cascades.

Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - References

Brown R.A.,et al.Biochem. Biophys. Res. Commun. 233:537-544(1997).
Arcaro A.,et al.J. Biol. Chem. 273:33082-33090(1998).
Gregory S.G.,et al.Nature 441:315-321(2006).
Arcaro A.,et al.Mol. Cell. Biol. 20:3817-3830(2000).
Wheeler M.,et al.Mol. Cell. Biol. 21:6660-6667(2001).

target="_blank">10805725,
PubMed:<a href="http://www.uniprot.org/citations/9830063"
target="_blank">9830063,
PubMed:<a href="http://www.uniprot.org/citations/11533253"
target="_blank">11533253). Does not
phosphorylate PtdIns(4,5)P2 (PubMed:9830063). May
be involved in EGF and PDGF signaling
cascades (PubMed:10805725).

Cellular Location

Microsome. Cell membrane. Cytoplasm,
cytosol Nucleus. Endoplasmic reticulum.
Note=Found mostly in the microsome, but
also in the plasma membrane and cytosol.
Nuclear in testis

Tissue Location

Expressed in columnar and transitional
epithelia, mononuclear cells, and ganglion
cells (at protein level). Widely expressed,
with highest levels in thymus and placenta
and lowest in peripheral blood, skeletal
muscle and kidney

Phospho-HUMAN-PIK3C2B(Y228) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)