

# Phospho-HUMAN-PIK3C2B(Y228) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5223

## Product Information

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Application	WB
Primary Accession	<a href="#">O00750</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	184768
Isotype	Rabbit IgG
Antigen Source	HUMAN

## Additional Information

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Gene ID	5287
Antigen Region	215-250
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
Dilution	WB~~1:500
Target/Specificity	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 215-250 amino acids from human.
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	Phospho-HUMAN-PIK3C2B(Y228) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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Name	PIK3C2B
Function	Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns (PubMed: <a href="#">10805725</a> , PubMed: <a href="#">11533253</a> , PubMed: <a href="#">9830063</a> ). Does not phosphorylate PtdIns(4,5)P2 (PubMed: <a href="#">9830063</a> ). 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

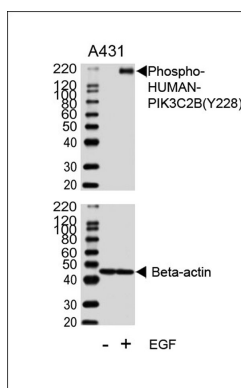
## Background

Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns. Does not phosphorylate PtdIns(4,5)P<sub>2</sub>. May be involved in EGF and PDGF signaling cascades.

## 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).

## Images



Western blot analysis of lysates from A431 cell line, untreated or treated with EGF, using Phospho-HUMAN-PIK3C2B(Y228)(Cat. #AW5223)(upper) or Beta-actin (lower).

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