

**Phospho-HUMAN-PIK3C2B(Y228) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5223**

**Specification**

---

**Phospho-HUMAN-PIK3C2B(Y228) Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">O00750</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	H=185 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

**Phospho-HUMAN-PIK3C2B(Y228) Antibody - Additional Information**

**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.

**Phospho-HUMAN-PIK3C2B(Y228) Antibody - Protein Information**

**Name** PIK3C2B

### Function

Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns (PubMed:<a href="http://www.uniprot.org/citations/10805725" target="\_blank">10805725</a>, PubMed:<a href="http://www.uniprot.org/citations/11533253" target="\_blank">11533253</a>, PubMed:<a href="http://www.uniprot.org/citations/9830063" target="\_blank">9830063</a>). Does not phosphorylate PtdIns(4,5)P2 (PubMed:<a href="http://www.uniprot.org/citations/9830063" target="\_blank">9830063</a>). May be involved in EGF and PDGF signaling cascades (PubMed:<a href="http://www.uniprot.org/citations/10805725" target="\_blank">10805725</a>).

### 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

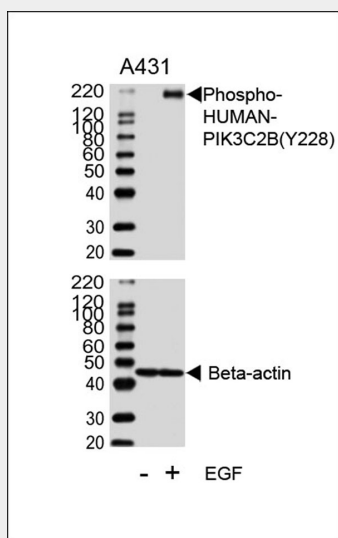
Expressed in columnar and transitional epithelia, mononuclear cells, and ganglion cells (at protein level). Widely expressed, with highest levels in thymus and placenta and lowest in peripheral blood, skeletal muscle and kidney

### Phospho-HUMAN-PIK3C2B(Y228) Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Phospho-HUMAN-PIK3C2B(Y228) Antibody - 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).

### Phospho-HUMAN-PIK3C2B(Y228) Antibody - 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.

#### **Phospho-HUMAN-PIK3C2B(Y228) Antibody - 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).