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anti-PIP4K2A antibody (C-Term)

2 Images



Publications



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Quantity:	400 μL
Target:	PIP4K2A
Binding Specificity:	AA 303-335, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This PIP4K2 Alpha (PIP4K2A) antibody is generated from rabbits immunized with a KLH
	conjugated synthetic peptide between 303-335 amino acids from the C-terminal region of
	human PIP4K2 Alpha (PIP4K2A).
Clone:	RB1741
Isotype:	Ig Fraction
Predicted Reactivity:	M, Pig, Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.

Target Details

Target:	PIP4K2A	
Alternative Name:	PIP5K2 Alpha (PIP5K2A) (PIP4K2A Products)	

Target Details

Background:

Phosphatidylinositol-4,5-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. TPIP5K2A is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-4-phosphate on the fifth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4,5-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. The protein is a member of the phosphatidylinositol-4-phosphate 5-kinase family.

Molecular Weight:

46225

Gene ID:

5305

NCBI Accession:

NP_005019

UniProt:

P48426

Pathways:

Inositol Metabolic Process

Application Details

Application Notes:

WB: 1:1000. IHC-P: 1:50~100

Restrictions:

For Research Use only

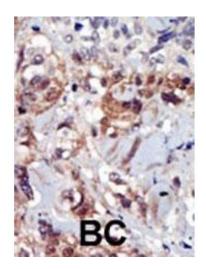
Handling

Format:	Liquid	
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.	
Expiry Date:	6 months	

Product cited in:

Sadeghi, Ullenhag, Wagenius, Tötterman, Eriksson: "Rapid expansion of T cells: Effects of culture and cryopreservation and importance of short-term cell recovery." in: **Acta oncologica** (Stockholm, Sweden), Vol. 52, Issue 5, pp. 978-86, (2013) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Western blot analysis of anti-PIP4K2A Pab (ABIN392598 and ABIN2842127) in HL60 cell lysate. PIP5K2A (arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.