

Datasheet for ABIN392597
anti-PIP4K2A antibody (N-Term)

2 Images

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Overview

Quantity:	400 µL
Target:	PIP4K2A
Binding Specificity:	AA 107-139, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIP4KII-alpha(PIP4K2A) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 107-139 amino acids from the N-terminal region of human PIP4KII-alpha(PIP4K2A).
Clone:	RB1740
Isotype:	Ig Fraction
Predicted Reactivity:	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

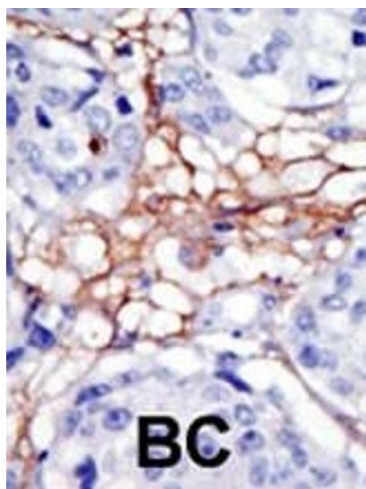
Background:	Phosphatidylinositol-4,5-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. TPIP5K2A is one of a family of enzymes capable of catalyzing 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

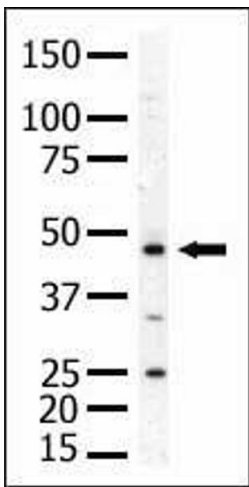
Handling

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



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 DAB 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. The anti-PIP4K2A Pab (ABIN392597 and ABIN2842126) is used in Western blot to detect PIP4K2A in mouse skeletal muscle tissue lysate.