Datasheet for ABIN392596

anti-PIP5K1C antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	PIP5K1C
Binding Specificity:	AA 637-668, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIP5K1C antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This PIP5KI gamma (PIP5K1G) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 637-668 amino acids from the C-terminal region of human PIP5KI gamma (PIP5K1G).
Clone:	RB01733
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PIP5K1C
Alternative Name:	PIP5KI gamma (PIP5K1G) (PIP5K1C Products)

Target Details

Background:	PIP5K1G is a member of the type I phosphatidylinositol-4-phosphate 5-kinase family of enzymes. A similar protein in mice is found in synapses and focal adhesion plaques, and binds the FERM domain of talin through its C-terminus.
Molecular Weight:	73260
Gene ID:	23396
NCBI Accession:	NP_001182662, NP_036530
UniProt:	O60331
Pathways:	PI3K-Akt Signaling, Inositol Metabolic Process, Cell-Cell Junction Organization, Maintenance of Protein Location, Synaptic Vesicle Exocytosis

Application Details

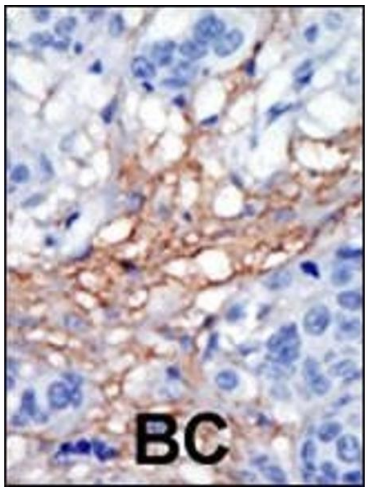
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

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

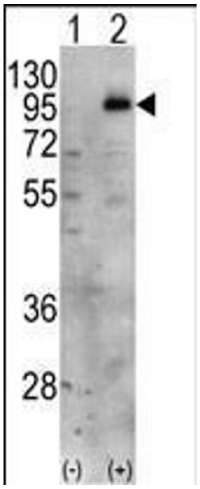
Publications

Product cited in:	Surowiec, Battle, Ward, Schlecht, Khoury, Robbins, Wojtys, Caird, Kozloff: "A xenograft model to evaluate the bone forming effects of sclerostin antibody in human bone derived from pediatric osteogenesis imperfecta patients." in: **Bone**, Vol. 130, pp. 115118, (2020) (PubMed).



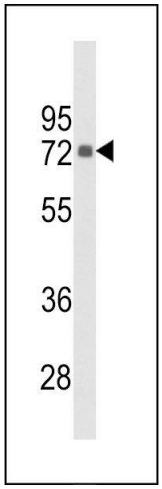
Immunohistochemistry (Paraffin-embedded Sections)

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 PIP5K1C (arrow) using PIP5K1G Antibody (C-term) (ABIN392596 and ABIN2842125). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the PIP5K1C gene (Lane 2) (Origene Technologies).



Western Blotting

Image 3. Western blot analysis of hPIP5K1G- (ABIN392596 and ABIN2842125) in Hela cell line lysates (35 µg/lane).PIP5K1G (arrow) was detected using the purified Pab.