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Datasheet for ABIN544188

anti-PI4K2B antibody (C-Term)

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Overview

Quantity:	400 µL
Target:	PI4K2B
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PI4K2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of PI4K2B.
Immunogen:	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PI4K2B.
Cross-Reactivity:	Human, Mouse

Target Details

Target:	PI4K2B
Alternative Name:	PI4K2B (PI4K2B Products)
Gene ID:	55300
Pathways:	Inositol Metabolic Process

Application Details

Application Notes: Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100)
Western Blot (1:1000)
The optimal working dilution should be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: In PBS (0.09 % 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

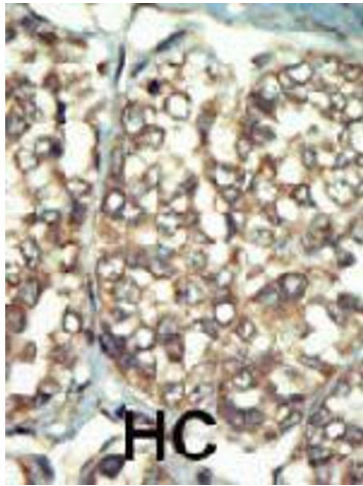
Storage Comment: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Publications

Product cited in: Balla, Tuymetova, Barshishat, Geiszt, Balla: "Characterization of type II phosphatidylinositol 4-kinase isoforms reveals association of the enzymes with endosomal vesicular compartments." in: **The Journal of biological chemistry**, Vol. 277, Issue 22, pp. 20041-50, (2002) ([PubMed](#)).

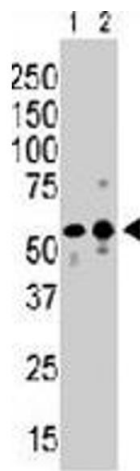
Mora, Durham, Smith, Russo, Jeromin, Pessin: "NCS-1 inhibits insulin-stimulated GLUT4 translocation in 3T3L1 adipocytes through a phosphatidylinositol 4-kinase-dependent pathway." in: **The Journal of biological chemistry**, Vol. 277, Issue 30, pp. 27494-500, (2002) ([PubMed](#)).

Wei, Sun, Yamamoto, Wlodarski, Kunii, Martinez, Barylko, Albanesi, Yin: "Type II phosphatidylinositol 4-kinase beta is a cytosolic and peripheral membrane protein that is recruited to the plasma membrane and activated by Rac-GTP." in: **The Journal of biological chemistry**, Vol. 277, Issue 48, pp. 46586-93, (2002) ([PubMed](#)).



Immunohistochemistry

Image 1. Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with PI4K2B polyclonal 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. HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of PI4K2B polyclonal antibody in mouse brain tissue (Lane A) and Saos-2 (Lane B) cell lysates. PI4K2B (arrow) was detected using purified polyclonal antibody. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.