Datasheet for ABIN7601595

anti-PIP5K1B antibody (AA 394-540)

Go to Product page

Overview

Quantity:	100 µg
Target:	PIP5K1B
Binding Specificity:	AA 394-540
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PIP5K1B antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PIP5K1B Antibody Picoband®
Immunogen:	E.coli-derived human PIP5K1B recombinant protein (Position: R394-L540). Human PIP5K1B shares 96.6% and 95.2% amino acid (aa) sequence identity with mouse and rat PIP5K1B, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-PIP5K1B Antibody Picoband® (ABIN7601595). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	PIP5K1B
Alternative Name:	PIP5K1B (PIP5K1B Products)
Background:	Synonyms: PIP5K1B, STM7, Phosphatidylinositol 4-phosphate 5-kinase type-1 beta, PIP5K1-beta, PtdIns(4P-5-kinase 1 beta, EC 2.7.1.68, Phosphatidylinositol 4-phosphate 5-kinase type I beta, PIP5KIbeta, Protein STM-7, Type I phosphatidylinositol 4-phosphate 5-kinase beta Background: Predicted to enable 1-phosphatidylinositol-4-phosphate 5-kinase activity. Predicted to be involved in phosphatidylinositol phosphate biosynthetic process. Predicted to act upstream of or within phosphatidylinositol biosynthetic process. Located in uropod.
Molecular Weight:	62 kDa
Gene ID:	8395
UniProt:	O14986
Pathways:	PI3K-Akt Signaling, Inositol Metabolic Process, Cell-Cell Junction Organization

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL 1. Campuzano, V., Montermini, L., Molto, M. D., Pianese, L., Cossee, M., Cavalcanti, F., Monros, E., Rodius, F., Duclos, F., Monticelli, A., Zara, F., Canizares, J., and 15 others. Friedreich's ataxia: autosomal recessive disease caused by an intronic GAA triplet repeat expansion. Science 271: 1423-1427, 1996. 2. Carvajal, J. J., Pook, M. A., dos Santos, M., Doudney, K., Hillermann, R., Minogue, S., Williamson, R., Hsuan, J. J., Chamberlain, S. The Friedreich's ataxia gene encodes a novel phosphatidylinositol-4-phosphate 5-kinase. Nature Genet. 14: 157-162, 1996. 3. Carvajal, J. J., Pook, M. A., Doudney, K., Hillermann, R., Wilkes, D., Al-Mahdawi, S., Williamson, R., Chamberlain, S. Friedreich's ataxia: a defect in signal transduction? Hum. Molec. Genet. 4: 1411-1419, 1995.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.