

Datasheet for ABIN7602081
anti-APLP2 antibody (AA 58-670)



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Overview

Quantity:	100 µg
Target:	APLP2
Binding Specificity:	AA 58-670
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APLP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-APLP2 Antibody Picoband®
Immunogen:	E.coli-derived human APLP2 recombinant protein (Position: K58-R670).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-APLP2 Antibody Picoband® (ABIN7602081). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	APLP2
Alternative Name:	APLP2 (APLP2 Products)
Background:	Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody Tissue Specificity: Expressed in all tissues. Background: APLP2(Amyloid beta(A4) precursor-like protein 2), also known as CDEBP or SPERM MEMBRANE PROTEIN, is a protein that in humans is encoded by the APLP2 gene. The APLP2 gene is mapped on 11q24.3. The human amyloid precursor-like protein APLP2 is a highly conserved homolog of a sequence-specific DNA-binding mouse protein with an important function in the cell cycle. APLP2 along with APLP1 are important modulators of glucose and insulin homeostasis. APLP2 associates with antigen presentation molecules like MHC class I molecules and regulates their surface expression by enhancing endocytosis.
Molecular Weight:	100-110 kDa
Gene ID:	334
UniProt:	Q06481
Pathways:	EGFR Signaling Pathway , Transition Metal Ion Homeostasis , Feeding Behaviour

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Leach, R., Ko, M., Krawetz, S. A. Assignment of amyloid-precursor-like protein 2 gene (APLP2)
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Application Details

to 11q24 by fluorescent in situ hybridization. Cytogenet. Cell Genet. 87: 215-216, 1999. 2. von der Kammer, H., Loffler, C., Hanes, J., Klaudiny, J., Scheit, K. H., Hansmann, I. The gene for the amyloid precursor-like protein APLP2 is assigned to human chromosome 11q23-25. Genomics 10: 308-311, 1994. 3. Leach R, Ko M, Krawetz SA (1999). "Assignment of amyloid-precursor-like protein 2 gene (APLP2) to 11q24 by fluorescent in situ hybridization". Cytogenet. Cell Genet. 87 (3-4): 215-6.

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.