Datasheet for ABIN7601863

anti-Protocadherin gamma Subfamily C, 3 (PCDHGC3) (AA 498-804) antibody

Go to Product page

Overview

Quantity:	100 µg
Target:	Protocadherin gamma Subfamily C, 3 (PCDHGC3)
Binding Specificity:	AA 498-804
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PCDHGC3 Antibody Picoband®
Immunogen:	E.coli-derived human PCDHGC3 recombinant protein (Position: E498-E804).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-PCDHGC3 Antibody Picoband® (ABIN7601863). Tested in ELISA, WB, Flow Cytometry applications. This antibody reacts with Human, 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:	Protocadherin gamma Subfamily C, 3 (PCDHGC3)
Alternative Name:	PCDHGC3 (PCDHGC3 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: Protocadherin gamma-C3 is a protein that in humans is encoded by the PCDHGC3 gene. This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes.
Molecular Weight:	118 kDa
Gene ID:	5098

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, -

Application Details

	1. Sago, H., Kitagawa, M., Obata, S., Mori, N., Taketani, S., Rochelle, J. M., Seldin, M. F., Davidson, M., St. John, T., Suzuki, S. T. Cloning, expression, and chromosomal localization of a novel cadherin-related protein, protocadherin-3. Genomics 29: 631-640, 1995. 2. Sano, K., Tanihara, H., Heimark, R. L., Obata, S., Davidson, M., St. John, T., Taketani, S., Suzuki, S. Protocadherins: a large family of cadherin-related molecules in central nervous system. EMBO J. 12: 2249-2256, 1993. 3. Wu, Q., Maniatis, T. A striking organization of a large family of human neural cadherin-like cell adhesion genes. Cell 97: 779-790, 1999.
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.