Datasheet for ABIN7599464

anti-PLAGL1 antibody (AA 1-527)

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Overview

Quantity:	100 µg
Target:	PLAGL1
Binding Specificity:	AA 1-527
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLAGL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ZAC/Plagl1 Antibody Picoband®
Immunogen:	E.coli-derived mouse ZAC/Plagl1 recombinant protein (Position: M1-Q527).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-ZAC/Plagl1 Antibody Picoband® (ABIN7599464). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Mouse. 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:	PLAGL1
Alternative Name:	Plagl1 (PLAGL1 Products)
Background:	Synonyms: Transient receptor potential cation channel subfamily V member 5, TrpV5, Calcium transport protein 2, CaT2, Epithelial calcium channel 1, ECaC, ECaC1, Osm-9-like TRP channel 3, OTRPC3, TRPV5, ECAC1 Tissue Specificity: Expressed at high levels in kidney, small intestine and pancreas, and at lower levels in testis, prostate, placenta, brain, colon and rectum. Background: Zinc finger protein PLAGL1 is a protein that in humans is encoded by the PLAGL1 gene. Predicted to enable DNA-binding transcription activator activity, RNA polymerase II-specific and RNA polymerase II cis-regulatory region sequence-specific DNA binding activity. Acts upstream of or within regulation of gene expression and skeletal muscle cell differentiation. Predicted to be located in Golgi apparatus and nuclear body. Is expressed in several structures, including alimentary system, brain, embryo mesenchyme, heart, and sensory organ. Orthologous to human PLAGL1 (PLAG1 like zinc finger 1).
Molecular Weight:	51 kDa
Gene ID:	22634

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse Immunocytochemistry/Immunofluorescence, 5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse ELISA, 0.1-0.5 µg/mL, -
	1. Abdollahi, A., Godwin, A. K., Miller, P. D., Getts, L. A., Schultz, D. C., Taguchi, T., Testa, J. R., Hamilton, T. C. Identification of a gene containing zinc-finger motifs based on lost expression in malignantly transformed rat ovarian surface epithelial cells. Cancer Res. 57: 2029-2034, 1997. 2. Abdollahi, A., Roberts, D., Godwin, A. K., Schultz, D. C., Sonoda, G., Testa, J. R., Hamilton, T. C. Identification of a zinc-finger gene at 6q25: a chromosomal region implicated in development of many solid tumors. Oncogene 14: 1973-1979, 1997. 3. Arima, T., Drewell, R. A., Arney, K. L., Inoue, J., Makita, Y., Hata, A., Oshimura, M., Wake, N., Surani, M. A. A conserved imprinting control region at the HYMAI/ZAC domain is implicated in transient neonatal diabetes mellitus. Hum. Molec. Genet. 10: 1475-1483, 2001.
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.