Datasheet for ABIN7599811

anti-C1orf128 antibody (AA 12-211)

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Overview

Quantity:	100 µg
Target:	C1orf128 (PITHD1)
Binding Specificity:	AA 12-211
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C1orf128 antibody is un-conjugated
Application:	ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Anti-PITHD1 Antibody Picoband®
Immunogen:	E.coli-derived human PITHD1 recombinant protein (Position: C12-S211). Human PITHD1 shares 98% amino acid (aa) sequence identity with mouse PITHD1.
Characteristics:	Anti-PITHD1 Antibody Picoband® (ABIN7599811). Tested in WB, IHC, ICC/IF, 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	C1orf128 (PITHD1)
Alternative Name:	PITHD1 (PITHD1 Products)
Background:	PITHD1 (PITH (C-terminal proteasome-interacting domain of thioredoxin-like) domain containing 1), also known as HT014, TXNL1CL or C1orf128, is a 211 amino acid nuclear protein containing one PITH domain. PITHD1 ectopic expression is thought to promote megakaryocytic differentiation and increase RUNX1 expression, while knockdown of PITHD1 was observed to have the opposite effect on both differentiation and RUNX1 expression. PITHD1 may regulate RUNX1 expression in two distinct fashions, by increasing transcription activity of proximal promoter and enhancing translational activity of an IRES element. Altered gene expression of the PITHD1 gene has been associated with leukemia development, with significant downregulation of expression observed in leukemic samples. The PITHD1 gene maps to chromosome 1 and is conserved in chimpanzee, Rhesus monkey, canine, bovine, mouse, rat, chicken, zebrafish, fruit fly, mosquito, C. e
Molecular Weight:	24 kDa
Gene ID:	57095

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Kondo, H., Matsumura, T., Kaneko, M., Inoue, K., Kosako, H., Ikawa, M., Takahama, Y., Ohigashi, I. PITHD1 is a proteasome-interacting protein essential for male fertilization. J. Biol. Chem. 295: 1658-1672, 2020.
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.

Handling

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.