Datasheet for ABIN7601753

anti-RTL1 antibody (AA 446-1327)

Go to Product page

Overview

Quantity:	100 µg
Target:	RTL1
Binding Specificity:	AA 446-1327
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RTL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RTL1 Antibody Picoband®
Immunogen:	E.coli-derived human RTL1 recombinant protein (Position: H446-R1327). Human RTL1 shares 68.3% amino acid (aa) sequence identity with mouse RTL1.
Characteristics:	Anti-RTL1 Antibody Picoband® (ABIN7601753). 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.
Purification:	Immunogen affinity purified.

Target Details

Target:	RTL1
Alternative Name:	RTL1 (RTL1 Products)
Background:	RTL1 (retrotransposon like 1) is a retrotransposon derived protein coding gene. This gene is a retrotransposon-derived, paternally expressed imprinted gene that is highly expressed at the late fetal stage in both the fetus and placenta. It has an overlapping maternally expressed antisense transcript, which contains several microRNAs targeting the transcripts of this gene through an RNA interference (RNAi) mechanism. This gene is essential for maintenance of the fetal capillaries.
Molecular Weight:	200 kDa
Gene ID:	388015

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. Davis, E., Caiment, F., Tordoir, X., Cavailli, J., Ferguson-Smith, A., Cockett, N., Georges, M., Charlier, C. RNAi-mediated allelic trans-interaction at the imprinted Rtl1/Peg11 locus. Curr. Biol. 15: 743-749, 2005. Note: Erratum: Curr. Biol. 15: 884 only, 2005. 2. Kagami, M., Sekita, Y., Nishimura, G., Irie, M., Kato, F., Okada, M., Yamamori, S., Kishimoto, H., Nakayama, M., Tanaka, Y., Matsuoka, K., Takahashi, T., and 12 others. Deletions and epimutations affecting the human 14q32.2 imprinted region in individuals with paternal and maternal upd(14)-like phenotypes. Nature Genet. 40: 237-242, 2008. 3. Seitz, H., Youngson, N., Lin, S.-P., Dalbert, S., Paulsen, M., Bachellerie, J.-P., Ferguson-Smith, A. C., Cavaille, J. Imprinted microRNA genes transcribed antisense to a reciprocally imprinted retrotransposon-like gene. Nature Genet. 34: 261-262, 2003.
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.