

Datasheet for ABIN7603102 **anti-TACSTD2 antibody (Middle Region)**



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Overview

Quantity:	100 µg
Target:	TACSTD2
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TACSTD2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-TROP2/TACSTD2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human TROP2/TACSTD2, which shares 65% amino acid (aa) sequence identity with mouse and rat TACSTD2.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TROP2/TACSTD2 Antibody Picoband® (ABIN7603102). Tested in Flow Cytometry, IF, ICC, WB 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

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: TACSTD2

Alternative Name: TACSTD2 ([TACSTD2 Products](#))

Background: Synonyms: Mediator of RNA polymerase II transcription subunit 15, Activator-recruited cofactor 105 kDa component, ARC105, CTG repeat protein 7a, Mediator complex subunit 15, Positive cofactor 2 glutamine/Q-rich-associated protein, PC2 glutamine/Q-rich-associated protein, TPA-inducible gene 1 protein, TIG-1, Trinucleotide repeat-containing gene 7 protein, MED15, ARC105, CTG7A, PCQAP, TIG1, TNRC7,

Tissue Specificity: Expressed in all tissues examined, including heart, brain, lung, spleen, thymus, pancreas, blood leukocyte and placenta. However, the level of expression varied, with highest expression in the placenta and peripheral blood and lowest in the pancreas and kidney.

Background: Tumor-associated calcium signal transducer 2, also known as Trop-2 and as epithelial glycoprotein-1 antigen (EGP-1), is a protein that in humans is encoded by the TACSTD2 gene This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

Molecular Weight: 45-65 kDa

Gene ID: 4070

UniProt: [P09758](#)

Application Details

Application Notes: Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human

Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human

1. Calabrese, G., Crescenzi, C., Morizio, E., Palka, G., Guerra, E., Alberti, S. Assignment of TACSTD1 (alias TROP1, M4S1) to human chromosome 2p21 and refinement of mapping of TACSTD2 (alias TROP2, M1S1) to human chromosome 1p32 by in situ hybridization. Cytogenet. Cell Genet. 92: 164-165, 2001. 2. Fornaro, M., Dell'Arciprete, R., Stella, M., Bucci, C., Nutini, M., Capri, M. G., Alberti, S. Cloning of the gene encoding Trop-2, a cell-surface glycoprotein expressed by human carcinomas. Int. J. Cancer 62: 610-618, 1995. 3. Ha, N. T.,

Application Details

Chau, H. M., Cung, L. X., Thanh, T. K., Fujiki, K., Murakami, A., Kanai, A. A novel mutation of M1S1 gene found in a Vietnamese patient with gelatinous droplike corneal dystrophy. Am. J. Ophthal. 135: 390-393, 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.
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.