Datasheet for ABIN7602556

anti-TOM1 antibody (AA 84-480)

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Overview

Quantity:	100 µg
Target:	TOM1
Binding Specificity:	AA 84-480
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOM1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-TOM1 Antibody Picoband®
Immunogen:	E.coli-derived human TOM1 recombinant protein (Position: R84-K480). Human TOM1 shares 87.4% amino acid (aa) sequence identity with mouse TOM1.
Characteristics:	Anti-TOM1 Antibody Picoband® (ABIN7602556). Tested in WB, IHC, ICC/IF, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human. 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:	TOM1
Alternative Name:	TOM1 (TOM1 Products)
Background:	Target of Myb protein 1 is a protein that in humans is encoded by the TOM1 gene. This gene was identified as a target of the v-myb oncogene. The encoded protein shares its N-terminal domain in common with proteins associated with vesicular trafficking at the endosome. It is recruited to the endosomes by its interaction with endofin. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	54 kDa
Gene ID:	10043
UniProt:	O60784

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry, 2-5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Immunoprecipitation, 0.5-2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Burk, O., Worpenberg, S., Haenig, B., Klempnauer, K. H. tom-1, a novel v-Myb target gene expressed in AMV- and E26-transformed myelomonocytic cells. EMBO J. 16: 1371-1380, 1997. 2. Katoh, Y., Imakagura, H., Futatsumori, M., Nakayama, K. Recruitment of clathrin onto endosomes by the Tom1-Tollip complex. Biochem. Biophys. Res. Commun. 341: 143-149, 2006. 3. Keskitalo, S., Haapaniemi, E. M., Glumoff, V., Liu, X., Lehtinen, V., Fogarty, C., Rajala, H., Chiang, S. C., Mustjoki, S., Kovanen, P., Lohi, J., Bryceson, Y. T., Seppanen, M., Kere, J., Heiskanen, K., Varjosalo, M. Dominant TOM1 mutation associated with combined immunodeficiency and autoimmune disease. NPJ Genomic Med. 4: 14, 2019.
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

Handling

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.