

Datasheet for ABIN7600883
anti-TOMM20 antibody (AA 25-145)



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Overview

Quantity:	100 µg
Target:	TOMM20
Binding Specificity:	AA 25-145
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TOMM20 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-TOMM20 Antibody Picoband®
Immunogen:	E.coli-derived human TOMM20 recombinant protein (Position: D25-E145).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TOMM20 Antibody Picoband® (ABIN7600883). Tested in ELISA, IP, IF, IHC, ICC, WB 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:	TOMM20
Alternative Name:	TOMM20 (TOMM20 Products)
Background:	Synonyms: Homeobox protein Hox-A5, Homeobox protein Hox-1C, HOXA5, HOX1C Tissue Specificity: Ubiquitously expressed. Present at highest levels in the brain, at high levels in the placenta and testis, at intermediate levels in the intestine, ovary, skeletal muscle and thymus and at lower levels in heart, kidney, liver, lung, pancreas, prostate and spleen. In the kidney, it is widely expressed in tubules, but sparsely expressed in the glomerulus (PubMed:24676636). Expression is significantly increased in renal biopsy specimens from idiopathic FSGS (PubMed:24676636). Overexpressed in many tumor types including breast, colorectal, endometrial, hepatic, kidney, lung, ovarian and pancreatic tumors. Background: Mitochondrial import receptor subunit TOM20 homolog is a protein that in humans is encoded by the TOMM20 gene. Enables protein-transporting ATPase activity and unfolded protein binding activity. Involved in protein targeting to mitochondrion. Located in mitochondria-associated endoplasmic reticulum membrane and mitochondrial outer membrane.
Molecular Weight:	16 kDa
Gene ID:	9804
UniProt:	Q15388
Pathways:	Unfolded Protein Response

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat Immunoprecipitation, 0.5-2 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Abe, Y., Shodai, T., Muto, T., Mihara, K., Torii, H., Nishikawa, S., Endo, T., Kohda, D. Structural basis of presequence recognition by the mitochondrial protein import receptor Tom20. Cell 100: 551-560, 2000. 2. Blesa, J. R., Prieto-Ruiz, J. A., Hernandez, J. M., Hernandez-Yago, J. NRF-2 transcription factor is required for human TOMM20 gene expression. Gene 391: 198-208, 2007. 3. Goping, I. S., Millar, D. G., Shore, G. C. Identification of the human mitochondrial protein import receptor, huMas20p: complementation of delta-mas20 in yeast. FEBS Lett. 373: 45-50, 1995.
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Application Details

Restrictions:	For Research Use only
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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.