Datasheet for ABIN7601151

anti-TRMT5 antibody (AA 291-501)

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Overview

Quantity:	100 µg
Target:	TRMT5
Binding Specificity:	AA 291-501
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRMT5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-TRMT5 Antibody Picoband®
Immunogen:	E.coli-derived human TRMT5 recombinant protein (Position: R291-E501).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TRMT5 Antibody Picoband® (ABIN7601151). Tested in ELISA, IF, 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:	TRMT5
Alternative Name:	TRMT5 (TRMT5 Products)
Background:	Synonyms: Interleukin-17B, IL-17B, Cytokine CX1, Cytokine-like protein ZCYTO7, Neuronal interleukin-17-related factor, Il17b, Nirf, Zcyto7 Tissue Specificity: Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary. Background: tRNAs contain as many as 13 or 14 nucleotides that are modified posttranscriptionally by enzymes that are highly specific for particular nucleotides in the tRNA structure. TRMT5 methylates the N1 position of guanosine-37 (G37) in selected tRNAs using S-adenosyl methionine.
Molecular Weight:	50 kDa
Gene ID:	57570
UniProt:	Q32P41

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Argente-Escrig, H., Vilchez, J. J., Frasquet, M., Muelas, N., Azorin, I., Vilchez, R., Millet-Sancho, E., Pitarch, I., Tomas-Vila, M., Vazquez-Costa, J. F., Mas-Estelles, F., Marco-Marin, C., Espinos, C., Serrano-Lorenzo, P., Martin, M. A., Lupo, V., Sevilla, T. A novel TRMT5 mutation causes a complex inherited neuropathy syndrome: The role of nerve pathology in defining a demyelinating neuropathy. Neuropath. Appl. Neurobiol. 48: e12817, 2022. 2. Brule, H., Elliott, M., Redlak, M., Zehner, Z. E., Holmes, W. M. Isolation and characterization of the human tRNA-(N(1)G37) methyltransferase (TRM5) and comparison to the Escherichia coli TrmD protein. Biochemistry 43: 9243-9255, 2004. 3. Haller, R. G., Lewis, S. F., Estabrook, R. W., DiMauro, S., Servidei, S., Foster, D. W. Exercise intolerance, lactic acidosis, and abnormal cardiopulmonary regulation in exercise associated with adult skeletal muscle cytochrome c oxidase deficiency. J. Clin. Invest. 84: 155-161, 1989.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized

Handling

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.

