Datasheet for ABIN7600451

anti-RNMT antibody (AA 197-380)

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Overview

Quantity:	100 µg
Target:	RNMT
Binding Specificity:	AA 197-380
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RNMT antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-RNMT Antibody Picoband®
Immunogen:	E.coli-derived human RNMT recombinant protein (Position: R197-E380).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RNMT Antibody Picoband® (ABIN7600451). Tested in ELISA, Flow Cytometry, 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:	RNMT
Alternative Name:	RNMT (RNMT Products)
Background:	Synonyms: Protein SOX-15, Protein SOX-12, Protein SOX-20, SOX15, SOX12, SOX20, SOX26, SOX27 Tissue Specificity: Widely expressed in fetal and adult tissues examined, highest level found in fetal spinal cord and adult brain and testis. Background: Enables RNA binding activity and mRNA (guanine-N7-)-methyltransferase activity. Involved in 7-methylguanosine mRNA capping. Located in fibrillar center and nucleoplasm. Part of mRNA cap binding activity complex, mRNA cap methyltransferase complex, and receptor complex.
Molecular Weight:	56 kDa
Gene ID:	8731
UniProt:	O43148

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Gonatopoulos-Pournatzis, T., Dunn, S., Bounds, R., Cowling, V. H. RAM/Fam103a1 is required for mRNA cap methylation. Molec. Cell 44: 585-596, 2011. 2. Ishikawa, K., Nagase, T., Nakajima, D., Seki, N., Ohira, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. VIII. 78 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 4: 307-313, 1997. 3. Pillutla, R. C., Shimamoto, A., Furuichi, Y., Shatkin, A. J. Human mRNA capping enzyme (RNGTT) and cap methyltransferase (RNMT) map to 6q16 and 18p11.22-p11.23, respectively. Genomics 54: 351-353, 1998.
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.