

Datasheet for ABIN7600484
anti-METTL1 antibody (AA 2-276)



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Overview

Quantity:	100 µg
Target:	METTL1
Binding Specificity:	AA 2-276
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This METTL1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Anti-METTL1 Antibody Picoband®
Immunogen:	E.coli-derived human METTL1 recombinant protein (Position: A2-H276).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-METTL1 Antibody Picoband® (ABIN7600484). Tested in ELISA, IF, IHC, ICC, WB applications. This antibody reacts with Human, 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 designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	METTL1
Alternative Name:	METTL1 (METTL1 Products)
Background:	<p>Synonyms: Interleukin-17B, IL-17B, Cytokine CX1, Cytokine-like protein ZCYTO7, Neuronal interleukin-17-related factor, Il17b, Nirf, Zcyto7</p> <p>Tissue Specificity: Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.</p> <p>Background: tRNA (guanine-N (7)-)-methyltransferase is an enzyme that in humans is encoded by the METTL1 gene. This gene is similar in sequence to the <i>S. cerevisiae</i> YDL201w gene. The gene product contains a conserved S-adenosylmethionine-binding motif and is inactivated by phosphorylation. Alternative splice variants encoding different protein isoforms have been described for this gene. A pseudogene has been identified on chromosome X.</p>
Molecular Weight:	34 kDa
Gene ID:	4234

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human</p> <p>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Bahr, A., Hankeln, T., Fiedler, T., Hegemann, J., Schmidt, E. R. Molecular analysis of METTL1, a novel human methyltransferase-like gene with a high degree of phylogenetic conservation. <i>Genomics</i> 57: 424-428, 1999.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 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 and 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	Store 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 freeze-thaw cycles.