

Datasheet for ABIN7600616
anti-METTL18 antibody (AA 21-338)



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Overview

Quantity:	100 µg
Target:	METTL18
Binding Specificity:	AA 21-338
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This METTL18 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-METTL18 Antibody Picoband®
Immunogen:	E.coli-derived human METTL18 recombinant protein (Position: R21-Q338). Human METTL18 shares 72.1% and 73.4% amino acid (aa) sequence identity with mouse and rat METTL18, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-METTL18 Antibody Picoband® (ABIN7600616). Tested in ELISA, IF, IHC, ICC, WB, Flow Cytometry 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

Product Details

designated as Picoband, ensuring unmatched performance.

Purification: Immunogen affinity purified.

Target Details

Target: METTL18

Alternative Name: METTL18 ([METTL18 Products](#))

Background: Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody

Tissue Specificity: Expressed in all tissues.

Background: METTL18 belongs to a family of protein lysine methyltransferases that methylate nonhistone proteins. Methyltransferases catalyze the transfer of a methyl group from a donor, generally S-adenosyl-L-methionine, to acceptor molecules, including proteins, DNA, RNA, lipids, and small metabolites. METTL18 is involved in peptidyl-lysine monomethylation.

Molecular Weight: 50 kDa

Gene ID: 92342

UniProt: [O95568](#)

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
Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human
ELISA, 0.1-0.5 µg/mL, -
1. Cloutier, P., Lavallee-Adam, M., Faubert, D., Blanchette, M., Coulombe, B. A newly uncovered

Application Details

group of distantly related lysine methyltransferases preferentially interact with molecular chaperones to regulate their activity. PLoS Genet. 9: e1003210, 2013. Note: Electronic Article. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 5/29/2013.

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.
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.