

Mouse anti-Human METTL1 Monoclonal Antibody | anti-METTL1 antibody

Anti-METTL1 Antibody, Mouse Monoclonal

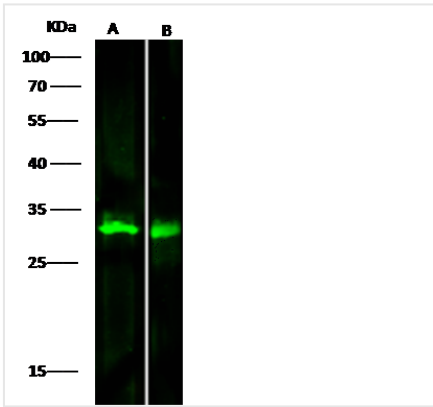
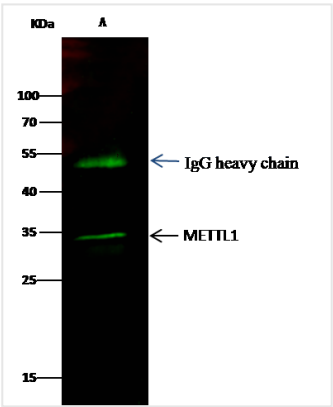
CATALOG # AAA255421	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunoprecipitation, ELISA, ELISA, Western Blot
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PRODUCT SYNONYMS

METTL1; Monoclonal Antibody; Anti-METTL1 Antibody; Mouse Monoclonal; METTL1 Antibody; Mouse MAb; methyltransferase like 1; Anti-C12orf1 Antibody; Anti-TRM8 Antibody; Anti-TRMT8 Antibody; Anti-YDL201w Antibody; anti-METTL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	9C2F2
Specificity	Human METTL1. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-METTL1 antibody	IP (Immunoprecipitation), ELISA, ELISA, WB (Western Blot)
Immunogen	Recombinant Human METTL1 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human METTL1 (rh METTL1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)

METTL1 was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate; Lane B: 0.5 mg Jurkat Whole Cell Lysate; 2 μ L anti-METTL1 mouse monoclonal antibody and 15 μ L of 50 % Protein G agarose. Primary antibody: Anti-METTL1 mouse monoclonal antibody, at 1:100 dilution; Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 34 kDa; Observed band size: 34 kDa.

WB (Western Blot)

Anti-METTL1 mouse monoclonal antibody at 1:500 dilution; Lane A: 293T Whole Cell Lysate; Lane B: Jurkat Whole Cell Lysate. Lysates/proteins at 30 μ g per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 31 kDa; Observed band size: 31 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-METTL1 antibody	tRNA (guanine-N(7)-)-methyltransferase, also known as Methyltransferase-like protein 1, tRNA (m7G46)-methyltransferase and METTL1, is a nucleus protein that belongs to the methyltransferase superfamily and TrmB family. METTL1 gene has been identified by its sequence similarity to the yeast ORF YDL21w. The human cDNA and the genomic structure of METTL1 have been analyzed. The transcript contains 1292 nucleotides and codes for a protein of 276 amino acids. The METTL1 gene product shows high sequence similarities to putative proteins from mouse, Drosophila melanogaster, Arabidopsis thaliana, Caenorhabditis elegans, and yeast (39.8% identity between all six species). Computer analyses of the deduced protein sequence reveal two highly conserved amino acid motifs, one of which is typical for methyltransferases. Both motifs are also present in hypothetical proteins from eubacteria. Disruption of the homologous yeast ORF YDL21w shows that the gene is at least not essential for vegetative growth in Saccharomyces cerevisiae.
Product Categories/Family for anti-METTL1 antibody	MAPK-Erk Pathway
References	Bahr, A. et al., 1999, Genomics. 57 (3):424-8. Wikman, H. et al., 2005, Genes Chromosomes Cancer. 42 (2):193-9. Cartlidge, RA. et al., 2005, EMBO J. 24 (9):1696-705.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167004078
NCBI GeneID	4234
NCBI Accession #	NP_005362.3
NCBI GenBank Nucleotide #	NM_005371.5
UniProt Accession #	Q9UBP6; Q14105; Q53FS9; B2RBX1; H7BXF2
Molecular Weight	17,423 Da
NCBI Official Full Name	tRNA (guanine-N(7)-)-methyltransferase isoform a
NCBI Official Synonym Full Names	methyltransferase like 1
NCBI Official Symbol	METTL1
NCBI Official Synonym Symbols	TRM8; TRMT8; C12orf1; YDL201w

NCBI Protein Information	tRNA (guanine-N(7)-)-methyltransferase; tRNA (guanine-N(7)-)-methyltransferase; D1075-like gene product; METTL1; methyltransferase-like 1; methyltransferase-like protein 1; tRNA (guanine(46)-N(7))-methyltransferase; tRNA(m7G46)-methyltransferase
UniProt Protein Name	tRNA (guanine-N(7)-)-methyltransferase
UniProt Gene Name	METTL1
UniProt Entry Name	TRMB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mettl1-antibody-clone-9c2f2-immunoprecipitation-western-blot-elisa/255421>