

Rabbit anti-Human METTL1 Polyclonal Antibody | anti-METTL1 antibody

Anti-METTL1 Antibody, Rabbit Polyclonal

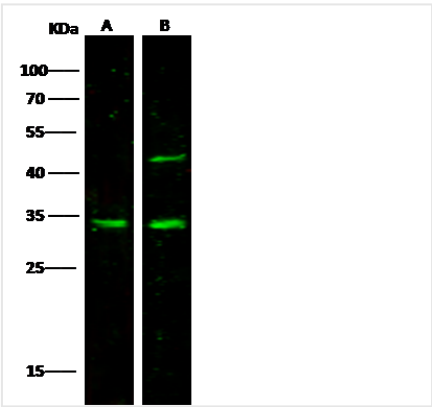
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255422	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

METTL1; Polyclonal Antibody; Anti-METTL1 Antibody; Rabbit Polyclonal; METTL1 Antibody; Rabbit PAb; Antigen Affinity Purified; methyltransferase like 1; Anti-C12orf1 Antibody; Anti-TRM8 Antibody; Anti-TRMT8 Antibody; Anti-YDL201w Antibody; anti-METTL1 antibody

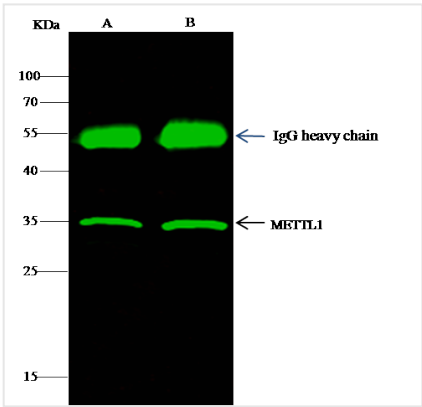
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human METTL1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-METTL1 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human METTL1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human METTL1 (rh METTL1). METTL1 specific IgG was purified by Human METTL1 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.



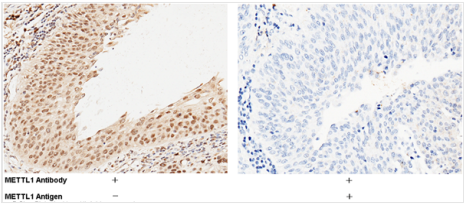
WB (Western Blot)

Anti-METTL1 rabbit polyclonal antibody at 1:500 dilution
Lane A: Jurkat Whole Cell Lysate
Lane B: 293T Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.
Developed using the Odyssey technique.
Performed under reducing conditions.
Predicted band size: 31 kDa
Observed band size: 34 kDa
(We are unsure as to the identity of these extra bands.)



IP (Immunoprecipitation)

METTL1 was immunoprecipitated using:
Lane A: 0.5 mg Hela Whole Cell Lysate
Lane B: 0.5 mg 293T Whole Cell Lysate
0.5 uL anti-METTL1 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose.
Primary antibody: Anti-METTL1 rabbit polyclonal antibody, at 1:1000 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the odssey technique.
Performed under reducing conditions.
Predicted band size: 34 kDa
Observed band size: 34 kDa



IHC (Immunohistochemistry)

Immunochemical staining of human METTL1 in human bladder carcinoma with rabbit polyclonal antibody at 1:5000 dilution, formalin-fixed paraffin embedded sections. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).

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. Cartledge, 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/mettl1-antibody-immunoprecipitation-immunohistochemistry-western-blot-elisa/255422>