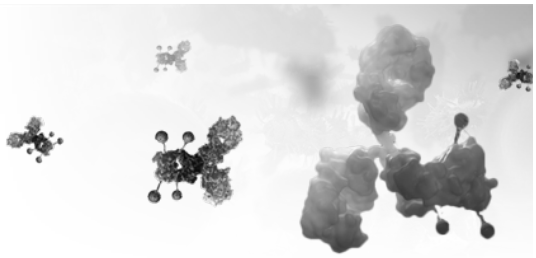

Mouse Anti-Human METTL1 monoclonal antibody, clone NN13 (CABT-ZB779)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human METTL1
Target	METTL1
Immunogen	Recombinant Human METTL1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN13
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB779 - CABT-ZB1084 This antibody will detect METTL1 in antibody pair set. [ABPR-ZB359]
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. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

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Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	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.
Keywords	METTL1; methyltransferase like 1; C12orf1, methyltransferase like 1; tRNA (guanine-N(7)-)-methyltransferase

GENE INFORMATION

Synonyms	METTL1; methyltransferase like 1; C12orf1, methyltransferase like 1; tRNA (guanine-N(7)-)-methyltransferase; TRM8; D1075-like gene product; methyltransferase-like 1; tRNA(m7G46)-methyltransferase; methyltransferase-like protein 1; tRNA (guanine(46)-N(7))-methyltransferase
Entrez Gene ID	4234
UniProt ID	P57081

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