



# METL8 rabbit pAb

<b>Catalog No</b>	BYab-17278
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human, Mouse
<b>Applications</b>	IHC, WB
<b>Gene Name</b>	METTL8
<b>Protein Name</b>	Methyltransferase-like protein 8 (EC 2.1.1.-)
<b>Immunogen</b>	Synthesized peptide derived from human C-terminal METL8
<b>Specificity</b>	This antibody detects endogenous levels of METL8 at Human, Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Rabbit, polyclonal
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000 IHC 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Methyltransferase-like protein 8 (EC 2.1.1.-)
<b>Observed Band</b>	
<b>Cell Pathway</b>	Mitochondrion . Mitochondrial protein: the cytoplasmic or nuclear localization observed by some groups is either the result of an incorrect localization caused by N-terminal tagging that interferes with mitochondrial targeting, or splice isoforms that lack the N-terminal mitochondrial transit sequence. .
<b>Tissue Specificity</b>	
<b>Function</b>	Mitochondrial S-adenosyl-L-methionine-dependent methyltransferase that mediates N(3)-methylcytidine modification of residue 32 of the tRNA anticodon loop of mitochondrial tRNA(Ser)(UCN) and tRNA(Thr) . N(3)-methylcytidine methylation modification regulates mitochondrial translation efficiency and is required for activity of the respiratory chain . N(3)-methylcytidine methylation of mitochondrial tRNA(Ser)(UCN) requires the formation of N(6)-dimethylallyl-adenosine(37) (i6A37) by TRIT1 as prerequisite . May also mediate N(3)-methylcytidine modification of mRNAs . The existence of N(3)-methylcytidine modification on mRNAs is however unclear, and additional evidences are required to confirm the role of the N(3)-methylcytidine-specific

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mRNA methyltransferase activity of METTL8 in vivo .

**Background**

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**