Best Tools for immunology Research

METL8 rabbit pAb

Catalog No :	YT8123
Reactivity :	Human;Mouse
Applications :	IHC;WB
Target :	METTL8
Gene Name :	METTL8
Protein Name :	Methyltransferase-like protein 8 (EC 2.1.1.-)
Human Swiss Prot No :	Q9H825
Mouse Gene Id :	228019
Mouse Swiss Prot No :	A2AUU0
Immunogen :	Synthesized peptide derived from human C-ternal METL8
Specificity :	This antibody detects endogenous levels of METL8 at Human, Mouse
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	32kD

Function :	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)-dimethylallyladenosine(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 mRNA methyltransferase activity of METTL8 in vivo .
Subcellular Location :	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. .
Sort :	999
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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