



METTL1 mouse mAb

Catalog No	YP-mAb-18094
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	METTL1 C12orf1
Protein Name	tRNA (guanine-N(7)-)-methyltransferase (EC 2.1.1.33) (Methyltransferase-like protein 1) (tRNA (guanine(46)-N(7))-methyltransferase) (tRNA(m7G46)-methyltransferase)
Immunogen	Synthesized peptide derived from human METTL1
Specificity	This antibody detects endogenous levels of METTL1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	30kD
Cell Pathway	Nucleus .
Tissue Specificity	Ubiquitous.
Function	Methyltransferase that mediates the formation of N(7)-methylguanine in a subset of RNA species, such as tRNAs, mRNAs and microRNAs (miRNAs) . Catalyzes the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA . Also acts as a methyltransferase for a subset of internal N(7)-methylguanine in mRNAs . Internal N(7)-methylguanine methylation of mRNAs regulates translation . Also methylates a specific subset of miRNAs, such as let-7 . N(7)-methylguanine methylation of let-7 miRNA promotes let-7 miRNA processing by disrupting an inhibitory secondary structure within the primary miRNA transcript (pri-miRNA) . Acts as a regulator of embryonic stem cell self-renewal and differentiation (By similarity).
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