



METTL1 mouse mAb

Catalog No	YP-mAb-18094
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	METTL1 C12orf1
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	miRNA;Methyltransferase-like protein 1;methyltransferase like 1;EC:2.1.1.33; EC:2.1.1.-;METTL1;METTL1 C12orf1;tRNA (guanine-N(7))-methyltransferase (EC 2.1.1.33) (Methyltransferase-like protein 1) (tRNA (guanine(46)-N(7))-methyltransferase) (tRNA(m7G46)-methyltransferase)
Observed Band	31 kDa
Calculated Molecular Weight	31 kDa
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