Datasheet for ABIN6972397

anti-N6-Methyladenosine antibody

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Overview

Quantity:	100 µg
Target:	N6-Methyladenosine
Reactivity:	Human, Saccharomyces cerevisiae
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Dot Blot (DB), Immunoprecipitation (IP)

Product Details

Immunogen:	This antibody was raised against 6-Methyladenosine conjugated to BSA.
Clone:	17-3-4-1
Isotype:	IgG1 kappa
Characteristics:	N6-Methyladenosine (m6A)) is an RNA modification on the N-6 position of adenosine. This modification has been found to be abundant in the 3' UTR and stop codons of mammalian mRNA. m6A is associated with miRNA binding sites suggesting a potential role in epigenetic gene regulation. FTO and ALKBH are demethylases for 6-methyladenosine while a multiprotein complex that includes METTL3 functions as the methyltransferase. Recent findings revealed that m6A is also present on metazoan DNA, suggesting a genuine epigenetic role for this modification in the context of DNA as well. N6-Methyladenosine (m6A) antibody (mAb) (Clone 17-3-4-1) was raised in a Mouse host. It has been validated for use in Dot blot and Immunoprecipitation, it has been shown to react with Budding Yeast and Human samples, but the sequence is not species specific so it should react with a wide range of sample types.

Product Details

Purification:	Protein A Chromatography

Target Details

Target:	N6-Methyladenosine
Alternative Name:	N6-Methyladenosine (m6A)

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Purified IgG in PBS with 30 % glycerol and 0.035 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20°C for up to 2 years. Keep all reagents on ice when not in storage.