



Rabbit Anti-M6A Monoclonal Antibody, clone 2H2 (CABT-CS609)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	M6A
Target	M6A
Immunogen	m6A Small Molecule conjugated to OVA.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	N/A
Clone	2H2
Purification	Protein A affinity purified.
Conjugate	unconjugated
Applications	DB, ELISA
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
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Storage	Store at 4°C after thawing. Aliquot store at -20°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction

N6-methyladenosine (m6A) is the most common and abundant modification in RNA molecules present in eukaryotes. The m6A modification is catalyzed by a methyltransferase complex METTL3 and removed by the recently discovered m6A RNA demethylases FTO and ALKBH5, which catalyze m6A demethylation in an α -ketoglutarate (α -KG)- and Fe²⁺-dependent manner. It was shown that METTL3, FTO, and ALKBH5 play essential roles in many biological processes, ranging from development and metabolism to fertility. m6A accounts for more than 80% of all RNA base methylations and exists in various species. m6A is mainly distributed in mRNA and also occurs in non-coding RNA such as tRNA, rRNA, and snRNA.

Keywords

M6A; N6-methyladenosine