



# Rabbit Anti-M6A Monoclonal antibody, clone 3I7 (CABT-CS610)

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

## PRODUCT INFORMATION

Specificity	M6A
Target	M6A
Immunogen	Chemical compounds corresponding to N6-methyladenosine / M6a
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	All Species
Clone	3I7
Purification	Affinity purified
Conjugate	unconjugated
Applications	ELISA, DB, IF
Format	Liquid
Size	20 µl, 100 µl
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Preservative	0.02% sodium azide
Storage	Upon delivery store at 20°C or -80°C. Avoid repeated freeze.
Ship	Shipped at 4°C

# 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  $\alpha$ -ketoglutarate ( $\alpha$ -KG)- and Fe<sup>2+</sup>-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