

Recombinant N6-methyladenosine (m6A) Monoclonal Antibody

catalog number: AN301128L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

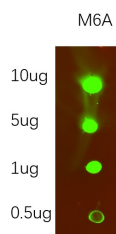
Description

| | |
|---------------------|---|
| Reactivity | Species independent |
| Immunogen | Recombinant N6-methyladenosine (m6A) protein |
| Host | Rabbit |
| Isotype | IgG, κ |
| Clone | B883 |
| Purification | Protein A |
| Buffer | PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant. |

Applications Recommended Dilution

| | |
|-----------|--------------|
| DB | 1:500-1:2000 |
|-----------|--------------|

Data



Western Blot with Recombinant N6-methyladenosine (m6A)
Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:
M6a.

Preparation & Storage

| | |
|-----------------|---|
| Storage | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| Shipping | Ice bag |

Background

Discovered in the 1970s, m6A is the most prevalent internal modification in polyadenylated mRNAs and long non-coding RNAs (lncRNAs) in higher eukaryotes. m6A is widely conserved among eukaryotic species that range from yeast, plants, flies to mammals, as well as among viral RNAs with a nuclear phase. The m6A-based modification is associated with a well-defined RNA motif, RRACH (R: A/G, H: A/C/U). As a representative of the epitranscriptome, m6A mRNA modifications participate in many vital activities in the cell, including stem cell self-renewal and differentiation, mRNA transcription, alternative splicing, nuclear export, translation, degradation, and microRNA processing. These processes determine the expression or inactivation of specific genes, which is vital for growth and development. (PMID: 30416848; PMID: 24662220; PMID: 30429466)

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Rev. V1.1