Overview

Product name
Anti-N6-methyladenosine (m6A) antibody [17-3-4-1]

Description
Mouse monoclonal [17-3-4-1] to N6-methyladenosine (m6A)

Host species
Mouse

Specificity
This antibody recognises N6-methyladenosine in both modified RNA and DNA.

Tested applications
Suitable for: Dot blot, IP, Southern Blot

Species reactivity
Reacts with: Mouse, Human, Saccharomyces cerevisiae

Immunogen
Chemical/ Small Molecule corresponding to N6-methyladenosine (m6A) conjugated to bovine serum albumin. Hapten N6-methyladenosine-5’- mono-phosphate conjugated to BSA of all N6-methyladenosine

Positive control
methylated RNA (negative control non methylated RNA); single stranded DNA;

Properties

Form
Liquid

Storage instructions

Storage buffer
Preservative: 0.02% Sodium azide
Constituent: 100% PBS

Purity
Protein A purified

Clonality
Monoclonal

Clone number
17-3-4-1

Myeloma
Sp2/0-Ag14

Isotype
IgG1

Light chain type
kappa

Applications

Our Abpromise guarantee covers the use of ab208577 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
N6-Methyladenosine (m6A) is an abundant modification found in mRNA, tRNA, snRNA, as well as long non-coding RNA, in all species. RNA adenosine methylation is catalyzed by a multicomponent complex composed of METTL3/MT-A70, METTL14, and WTAP in mammals. METTL3 & METTL14 are responsible for the methyltransferase activity of the complex, and WTAP mediates substrate recruitment.

Immunoprecipitation - Anti-N6-methyladenosine (m6A) antibody [17-3-4-1] (ab208577)

N6-methyladenosine (m6A) was immunoprecipitated using ab208577 from radiolabeled synthetic methylated transcript (Bound); radiolabeled Non methylated control (Non bound) and radiolabeled Input RNA control.

Northwestern blot - Anti-N6-methyladenosine (m6A) antibody [17-3-4-1] (ab208577)

Use of ab208577 for northwestern blot using synthetic methylated and non methylated RNA.
Other - Anti-N6-methyladenosine (m6A) antibody
[17-3-4-1] (ab208577)

Lane 1 Single stranded DNA
Lane 2 Double stranded DNA
Labelled with ab208577. Arrow shows m6A containing fragment.

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