

For Research Use Only

CoraLite® Plus 488-conjugated m6A Monoclonal antibody

Catalog Number: CL488-68055



Basic Information

Catalog Number:

CL488-68055

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG3

GenBank Accession Number:

m6A

GeneID (NCBI):

Full Name:

Purification Method:

Protein A purification

CloneNo.:

1D5E10

Recommended Dilutions:

IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Species Specificity:

chemical compound, m6a

Positive Controls:

IF-P: mouse testis tissue,

Background Information

m6A (N6-methyladenosine) is the most abundant internal modification in mammalian mRNA. This modification is installed by the m6A methyltransferases or termed "writers" such as METTL3 and METTL14, and can be reversed by demethylases that serve as "erasers" such as FTO and ALKBH5. The stability of m6A-modified mRNA is regulated by m6A reader protein YTHDFs, which recognizes m6A and reduces the stability of target transcripts. m6A modification and its regulatory proteins play critical roles in cancer pathogenesis and progression. m6A modification is also involved in viruses life cycles, suggesting that drugs targets to m6A pathway could be used for antiviral therapy.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

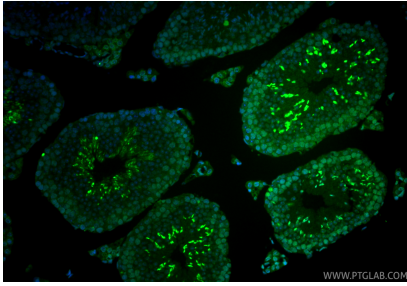
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using CoraLite® Plus 488 m6A antibody (CL488-68055, Clone: 1D5E10) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).