

For Research Use Only

CoraLite® Plus 488-conjugated m6A Monoclonal antibody

Catalog Number: CL488-68055



Basic Information

Catalog Number:

CL488-68055

GenBank Accession Number:

m6A

Purification Method:

Protein A purification

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

GeneID (NCBI):

Full Name:

CloneNo.:

1D5E10

Source:

Mouse

Recommended Dilutions:

IF-P: 1:50-1:500

Isotype:

IgG3

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF-P

Positive Controls:

IF-P : mouse testis tissue,

Species Specificity:

chemical compound, m6a

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

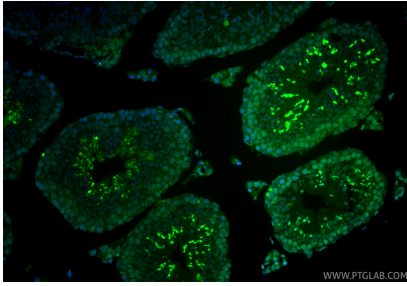
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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).