

For Research Use Only

CoraLite®594-conjugated YTHDF1 Polyclonal antibody



Catalog Number: CL594-17479

Featured Product

Basic Information

Catalog Number:

CL594-17479

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11509

GenBank Accession Number:

BC050284

GeneID (NCBI):

54915

UNIPROT ID:

Q9BYJ9

Full Name:

YTH domain family, member 1

Calculated MW:

559 aa, 61 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse

Positive Controls:

IF-P: mouse brain tissue,

Background Information

YTHDF1, also named as YTH domain-containing family protein 1 or C20orf21, is a 559 amino acid protein, which localizes in the cytoplasm. YTHDF1 specifically recognizes and binds N6-methyladenosine (m6A)-containing mRNAs, and promotes mRNA translation efficiency. M6A is a modification present at internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing and stability. YTHDF1 acts as a regulator of mRNA translation efficiency: promotes ribosome loading to m6A-containing mRNAs and interacts with translation initiation factors eIF3 (EIF3A or EIF3B) to facilitate translation initiation. YTHDF1 exists two isoform and calculated molecular weight of isoforms are 61 kDa and 21 kDa.

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

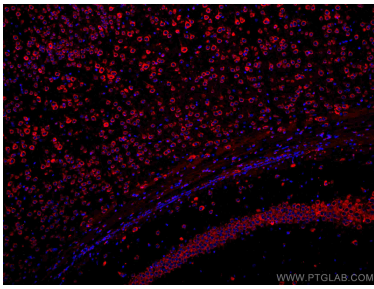
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® 594 YTHDF1 antibody (CL594-17479) at dilution of 1:200.