

For Research Use Only

YTHDF1 Polyclonal ANTIBODY



Catalog Number: 26787-1-AP

Basic Information

Catalog Number:

26787-1-AP

Size:

150UL, Concentration: 300 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG25347

GenBank Accession Number:

BC050284

GeneID (NCBI):

54915

Full Name:

YTH domain family, member 1

Calculated MW:

559 aa, 61 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

human

Positive Controls:

WB: HepG2 cells,

IP: HepG2 cells,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

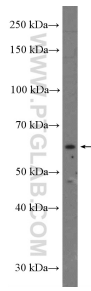
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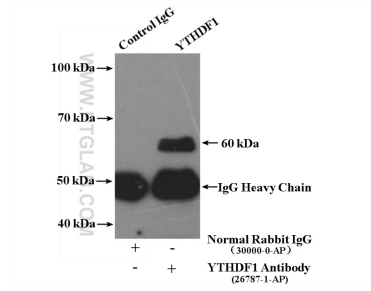
E: proteintech@ptglab.com
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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with 26787-1-AP (YTHDF1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-YTHDF1 (IP:26787-1-AP, 4ug; Detection:26787-1-AP 1:300) with HepG2 cells lysate 3200ug.