

Nur für Forschungszwecke

YTHDF2 Rekombinanter Antikörper

Katalog-Nr.:81340-1-RR

Vorgestelltes Produkt



Allgemeine Informationen

Katalog-Nr.:

81340-1-RR

Größe:

100ul, Konzentration: 1000 µg/ml von51441

Nanodrop;

Wirt:

Kaninchen

Isotyp:

IgG

Immunogen Katalognummer:

AG5922

GenBank-Zugangsnummer:

BC002559

GeneID (NCBI):

von51441

Vollständiger Name:

YTH domain family, member 2

Berechnete Masse:

62 kDa

Beobachtete Masse:

65-70 kDa

Reinigungsmethode:

Protein-A-Reinigung

CloneNo.:

3L6

Empfohlene Verdünnungen:

WB 1:5000-1:50000

IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB

Anwendungen

Geprüfte Anwendungen:

IP, WB, ELISA

Getestete Reaktivität:

Human, Maus, Ratte

Positivkontrollen:

WB: HEK-293-Zellen, C6-Zellen, HeLa-Zellen, Jurkat-Zellen, NIH/3T3-Zellen, Raji-Zellen, RAW 264.7-Zellen

IP: HeLa-Zellen,

Hintergrundinformationen

YTHDF2, also named as YTH domain-containing family protein 2, is a 579 amino acid protein, which contains 1 YTH domain. YTHDF2 specifically recognizes and binds N6-methyladenosine (m6A)-containing RNAs, and regulates mRNA stability. 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. YTHDF2 acts as a regulator of mRNA stability: binding to m6A-containing mRNAs results in the localization to mRNA decay sites, such as processing bodies (P-bodies), leading to mRNA degradation. YTHDF2 also acts as a promoter of cap-independent mRNA translation following heat shock stress: upon stress, relocates to the nucleus and specifically binds mRNAs with some m6A methylation mark at their 5'-UTR, protecting demethylation of mRNAs by FTO, thereby promoting cap-independent mRNA translation. The calculated molecular weight of YTHDF2 is 62 kDa, but the phosphorylated YTHDF2 is about 65-70 kDa.

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

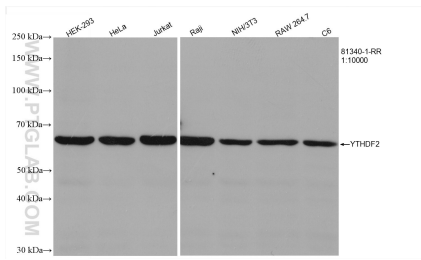
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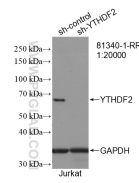
E: proteintech@ptglab.com
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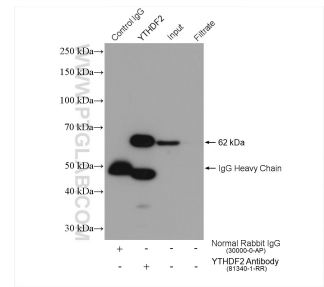
Ausgewählte Validierungsdaten



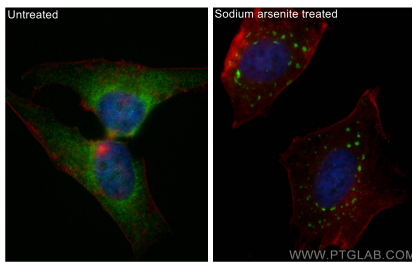
Various lysates were subjected to SDS PAGE followed by western blot with 81340-1-RR (YTHDF2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



WB result of YTHDF2 antibody (81340-1-RR; 1:20000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YTHDF2 transfected Jurkat cells.



IP result of anti-YTHDF2(IP:81340-1-RR, 4ug; Detection:81340-1-RR 1:1000) with HeLa cells lysate 1880 ug.



Immunofluorescent analysis of (4% PFA) fixed sodium arsenite treated HeLa cells using YTHDF2 antibody (81340-1-RR, Clone: 3L6) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidine (red).