

Allgemeine Informationen

Katalog-Nr.:
10319-1-AP

Größe:
150ul, Konzentration: 300 µg/ml von Nanodrop und 267 µg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0386

GenBank-Zugangsnummer:
BC001173

GeneID (NCBI):
8662

Vollständiger Name:
eukaryotic translation initiation factor 3, subunit B

Berechnete Masse:
93 kDa

Beobachtete Masse:
115 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:200-1:1000
IP 0.5-4.0 µg für IP und 1:200-1:1000 für WB

Anwendungen

Geprüfte Anwendungen:

IP, WB, ELISA

In Publikationen genannte Anwendungen:

WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : A375-Zellen,

IP : A375-Zellen,

Hintergrundinformationen

EIF3B, also named as Eukaryotic translation initiation factor 3 subunit B, is a 814 amino acid protein, which contains 1 RRM (RNA recognition motif) domain and 8 WD repeats and belongs to the eIF-3 subunit B family. EIF3B as a RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression. The calculated molecular weight of EIF3B is 93 kDa, but the phosphorylated EIF3B protein is about 115 kDa.

Bemerkenswerte Veröffentlichungen

| Verfasser | Pubmed ID | Journal | Anwendung |
|---------------|-----------|-----------------|-----------|
| Yuanpei Li | 36289222 | Nat Commun | WB |
| Li Wang | 33236014 | bioRxiv | WB |
| Chiara Bellio | 35626166 | Cancers (Basel) | WB |

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**

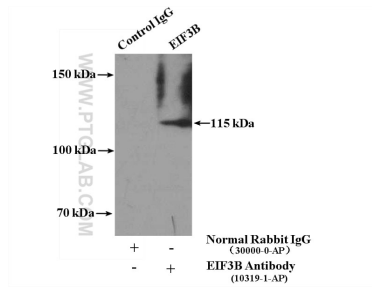
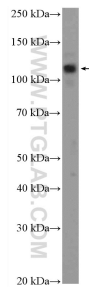
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Ausgewählte Validierungsdaten



A375 cells were subjected to SDS PAGE followed by western blot with 10319-1-AP (EIF3B Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

IP Result of anti-EIF3B (IP:10319-1-AP, 4ug; Detection:10319-1-AP 1:300) with A375 cells lysate 3600ug.