

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-EIF3B



Numéro de catalogue: 10319-1-AP

5 Publications

Informations de base

Numéro de catalogue:
10319-1-AP

Taille:
150ul, Concentration: 300 µg/ml by Nanodrop and 267 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG0386

Numéro d'acquisition GenBank:
BC001173

Identification du gène (NCBI):
8662

Nom complet:
eukaryotic translation initiation factor 3, subunit B

MW calculé:
93 kDa

MW observés:
115 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:200-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB

Applications

Applications testées:
IP, WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules A375,

IP : cellules A375,

Informations générales

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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Yuanpei Li	36289222	Nat Commun	WB
Li Wang	33236014	bioRxiv	WB
Chiara Bellio	35626166	Cancers (Basel)	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

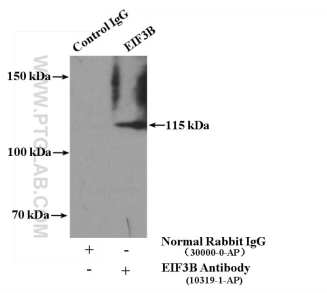
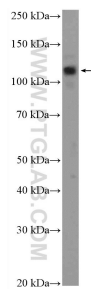
For technical support and original validation data for this product please contact:

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

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Données de validation sélectionnées



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.