

Allgemeine Informationen

Katalog-Nr.: 68202-1-Ig	GenBank-Zugangsnummer: BC001173	Reinigungsmethode: Protein-G-Reinigung
Größe: 150ul , Konzentration: 1000 µg/ml von8662 Nanodrop;	GeneID (NCBI): 8662	CloneNo.: 1G12G12
Wirt: Maus	Vollständiger Name: eukaryotic translation initiation factor 3, subunit B	Empfohlene Verdünnungen: WB 1:2000-1:10000
Isotyp: IgG1	Berechnete Masse: 93 kDa	
Immunogen Katalognummer: AG31427	Beobachtete Masse: 115 kDa	

Anwendungen

Geprüfte Anwendungen:
WB, ELISA

Getestete Reaktivität:
Human, Maus, Ratte

Positivkontrollen:

WB : HCT 116-Zellen, A431-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Jurkat-Zellen, K-562-Zellen, NIH/3T3-Zellen

Hintergrundinformationen

EIF3B, also named Eukaryotic translation initiation factor 3 subunit B, is an 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 an 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-tRNA_i 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.

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**

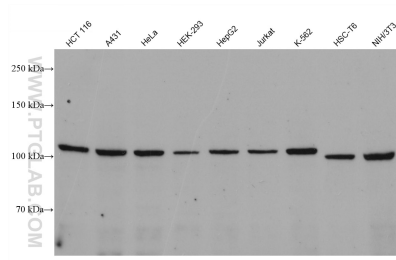
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Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 68202-1-Ig (EIF3B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.