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Anti-EIF3J Antibody

Catalog # AP60706

Product Information

Application	WB
Primary Accession	O75822
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	29062

Additional Information

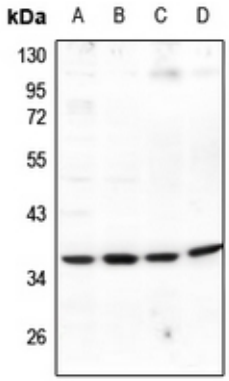
Gene ID	8669
Other Names	EIF3S1; Eukaryotic translation initiation factor 3 subunit J; eIF3j; Eukaryotic translation initiation factor 3 subunit 1; eIF-3-alpha; eIF3 p35
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF3J. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	EIF3J {ECO:0000255|HAMAP-Rule:MF_03009}
Function	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:25849773, PubMed:27462815). 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 (PubMed:25849773).

Cellular Location Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03009}.

Images



Western blot analysis of EIF3J expression in HEK293T (A), HepG2 (B), PC12 (C), BV2 (D) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 36 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.