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EIF3H Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5401

Product Information

Application	IHC-P, WB
Primary Accession	O15372
Other Accession	Q6P9U8, Q91WK2, Q5ZLE6, Q56JZ5, Q5PR67, NP_003747.1
Reactivity	Mouse, Rat, Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39930
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	8667
Antigen Region	70-99
Other Names	Eukaryotic translation initiation factor 3 subunit H {ECO:0000255|HAMAP-Rule:MF_03007}, eIF3h {ECO:0000255|HAMAP-Rule:MF_03007}, Eukaryotic translation initiation factor 3 subunit 3 {ECO:0000255|HAMAP-Rule:MF_03007}, eIF-3-gamma, eIF3 p40 subunit {ECO:0000255|HAMAP-Rule:MF_03007}, EIF3H {ECO:0000255|HAMAP-Rule:MF_03007}
Dilution	IHC-P~~1:100~500 WB~~1:1000
Target/Specificity	This EIF3H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 70-99 amino acids from the N-terminal region of human EIF3H.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EIF3H Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EIF3H {ECO:0000255|HAMAP-Rule:MF_03007}
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:17581632, 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 (PubMed:17581632). 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_03007}.

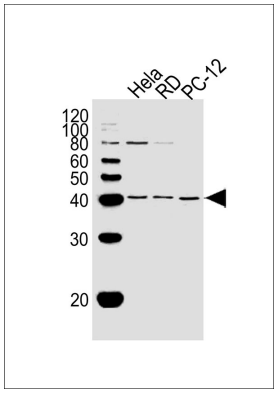
Background

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which 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 preinitiation 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

References

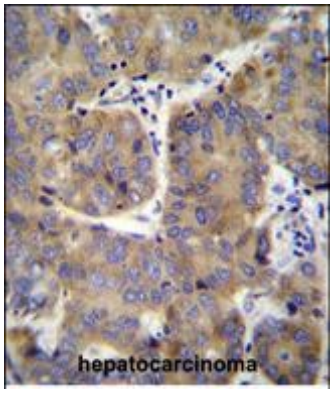
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Images



All lanes : Anti-EIF3H Antibody (N-term) at 1:1000 dilution Lane 1: Hela whole cell lysates Lane 2: RD whole cell lysates Lane 3: PC-12 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

EIF3H Antibody (N-term) (Cat. #AW5401)immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma



followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EIF3H Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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