

For Research Use Only

# EIF3H Polyclonal antibody

Catalog Number: 11310-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 11310-1-AP	<b>GenBank Accession Number:</b> BC000386	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8667	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15372	
<b>Isotype:</b> IgG	<b>Full Name:</b> eukaryotic translation initiation factor 3, subunit H	
<b>Immunogen Catalog Number:</b> AG1850	<b>Calculated MW:</b> 40 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, NIH/3T3 cells, PC-12 cells
<b>Cited Applications:</b> WB, IP, IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human	

## Background Information

Eukaryotic translation initiation factor eIF3, that plays a central role in translation initiation, consists of five core subunits that are present in both the budding yeast and higher eukaryotes. The EIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA<sup>i</sup> and eIF-5 to form the 43S preinitiation complex. The complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. It 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. EIF3H is a component of the EIF3 complex. [PMID:19204574,20503360]

## Notable Publications

Author	Pubmed ID	Journal	Application
Yuanpei Li	36289222	Nat Commun	WB
Genhua Yu	30022709	Biosci Biotechnol Biochem	WB
Mengqi Chu	33509274	Stem Cell Res Ther	WB

## Storage

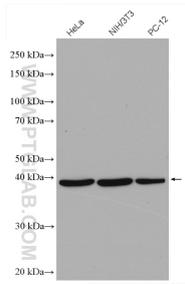
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 11310-1-AP (EIF3H antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.