



## Rabbit Anti-eIF3H antibody

SL3842R

<b>Product Name:</b>	eIF3H
<b>Chinese Name:</b>	真核翻译起始因子3H抗体
<b>Alias:</b>	eIF3S3 eIF3 gamma; eIF3 p40; eIF3 p40 subunit; eIF3h; Eukaryotic translation initiation factor 3 subunit 3; MGC102958; EIF3H_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Cow,Horse,Rabbit,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	39kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human eIF3H:151-250/352
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	EIF3S3 binds to the 40S ribosome and promotes the binding of methionyl-tRNAi and mRNA. It associates with the p170 subunit of EIF3. The EIF3 is composed of at least 12 different subunits. <b>Function:</b> 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-tRNA<sup>i</sup> 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 post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

**Subunit:**

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is composed of 13 subunits: EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L and EIF3M. The eIF-3 complex appears to include 3 stable modules: module A is composed of EIF3A, EIF3B, EIF3G and EIF3I; module B is composed of EIF3F, EIF3H, and EIF3M; and module C is composed of EIF3C, EIF3D, EIF3E, EIF3K and EIF3L. EIF3C of module C binds EIF3B of module A and EIF3H of module B, thereby linking the three modules. EIF3J is a labile subunit that binds to the eIF-3 complex via EIF3B. The eIF-3 complex interacts with RPS6KB1 under conditions of nutrient depletion. Mitogenic stimulation leads to binding and activation of a complex composed of MTOR and RPTOR, leading to phosphorylation and release of RPS6KB1 and binding of EIF4B to eIF-3. Interacts with RNF139; the interaction leads to protein translation inhibitions in a ubiquitination-dependent manner.

**Subcellular Location:**

Cytoplasm.

**Similarity:**

Belongs to the eIF-3 subunit H family.  
Contains 1 MPN (JAB/Mov34) domain.

**SWISS:**

O15372

**Gene ID:**

8667

**Database links:**

[Entrez Gene: 8667](#)Human

[Entrez Gene: 68135](#)Mouse

[Entrez Gene: 100911110](#)Rat

[Entrez Gene: 299899](#)Rat

[Omim: 603912](#)Human

[SwissProt: Q56JZ5](#)Cow

[SwissProt: O15372](#)Human

[SwissProt: Q91WK2](#)Mouse

[SwissProt: Q6P9U8](#)Rat

[Unigene: 492599](#)Human

[Unigene: 289800](#)Mouse

[Unigene: 129213](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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