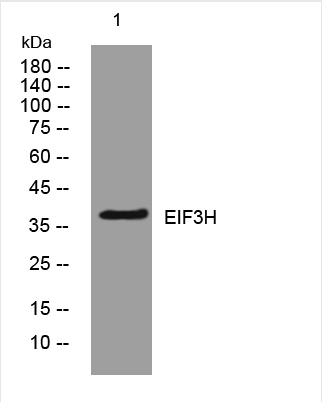
EIF3H Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	EIF3H, Polyclonal Antibody
Full Product Name	EIF3H Rabbit Polyclonal Antibody
Product Gene Name	anti-EIF3H antibody
Product Synonym Gene Name	EIF3H, EIF3S3
Product Synonym Names	Eukaryotic translation initiation factor 3 subunit H (eIF3h)(Eukaryotic translation initiation factor 3 subunit 3)(eIF-3-gamma)(eIF3 p40 subunit); BH6842; EIF3H
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.16% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of EIF3H at Human/Mouse/Rat
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	352
OMIM	603912
3D Structure	ModBase 3D Structure for O15372
Immunogen	Synthesized peptide derived from human EIF3H
Modification	Unmodified/Total
Applications Tested/Suitable for anti-EIF3H antibody	Western Blot (WB)
Application Notes for anti-EIF3H antibody	WB: 1:500-2000
Related Product Information for anti-EIF3H antibody	MBS9514368 is an antibody targeting EIF3H. Also known as EIF3H Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-EIF3H antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-EIF3H antibody
Western blot analysis of lysates from Hela cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EIF3H. It may not necessarily be applicable to this product.

NCBI GI #	6685512
NCBI GeneID	8667
NCBI Accession #	O15372.1
UniProt Primary Accession #	O15372
UniProt Related Accession #	O15372
NCBI Official Full Name	Eukaryotic translation initiation factor 3 subunit H
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit H
NCBI Official Symbol	EIF3H
NCBI Official Synonym Symbols	EIF3S3; eIF3-p40; eIF3-gamma
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit H
UniProt Synonym Protein Names	Eukaryotic translation initiation factor 3 subunit 3; eIF-3-gammaeIF3 p40 subunit
Protein Family	Eukaryotic translation initiation factor
UniProt Gene Name	EIF3H
UniProt Entry Name	EIF3H_HUMAN
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit H; EIF3H; eIF-3-gamma; eIF3 p40 subunit; eukaryotic translation initiation factor 3 subunit 3; eukaryotic translation initiation factor 3, subunit 2 (beta, 36kD); eukaryotic translation initiation factor

UniProt Comments for EIF3H	eIF3S3: 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. 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. Belongs to the eIF-3 subunit H family. Protein type: Translation; Translation initiation Chromosomal Location of Human Ortholog: 8q24.11 Cellular Component: eukaryotic translation initiation factor 3 complex; membrane; cytosol Molecular Function: protein binding; translation initiation factor activity Biological Process: cellular protein metabolic process; translation; translational initiation; gene expression; formation of translation preinitiation complex; regulation of translational initiation
Research Articles on EIF3H	**1.** -RAD21 and EIF3H, both on chromosome 8q23, CHRAC1 on chromosome 8q24.3 and TANC2 on chromosome 17q23-were confirmed to be driver genes regulating the proliferation/survival of clonogenic breast cancer cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/eif3h/9514368