

EIF3M / PCID1 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS12207**Specification**

EIF3M / PCID1 Antibody (C-Terminus) - Product Information

Application	IHC
Primary Accession	Q7L2H7
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Pig, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	43kDa KDa

EIF3M / PCID1 Antibody (C-Terminus) - Additional Information**Gene ID** 10480**Other Names**

Eukaryotic translation initiation factor 3 subunit M {ECO:0000255|HAMAP-Rule:MF_03012}, eIF3m {ECO:0000255|HAMAP-Rule:MF_03012}, Fetal lung protein B5, hFL-B5, PCI domain-containing protein 1, EIF3M {ECO:0000255|HAMAP-Rule:MF_03012}, HFLB5, PCID1

Target/Specificity

Human EIF3M / PCID1.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

EIF3M / PCID1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF3M / PCID1 Antibody (C-Terminus) - Protein Information**Name** EIF3M {ECO:0000255|HAMAP-Rule:MF_03012}**Synonyms** HFLB5, PCID1**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:17403899, 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:17403899). 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_03012}.

Tissue Location

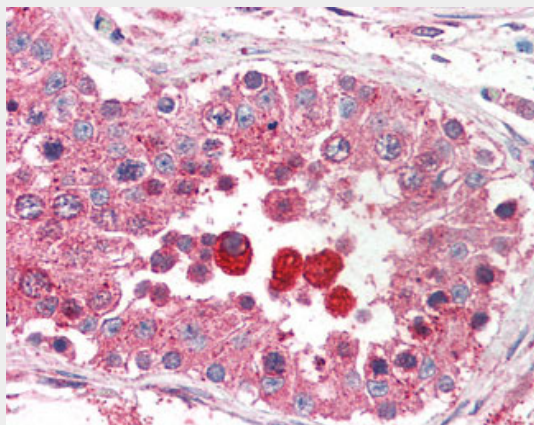
Broadly expressed..

EIF3M / PCID1 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EIF3M / PCID1 Antibody (C-Terminus) - Images



Anti-EIF3M / PCID1 antibody IHC of human testis.

EIF3M / PCID1 Antibody (C-Terminus) - 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 post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. May favor virus entry in

case of infection with herpes simplex virus 1 (HSV1) or herpes simplex virus 2 (HSV2).

EIF3M / PCID1 Antibody (C-Terminus) - References

Perez A.,et al.J. Virol. 79:7419-7430(2005).

Zhao Z.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.

Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.