

EIF3S5 / EIF3F Antibody (aa114-125)
Rabbit Polyclonal Antibody
Catalog # ALS11323**Specification**

EIF3S5 / EIF3F Antibody (aa114-125) - Product Information

Application	WB, IHC-P, IF, E, IP
Primary Accession	O00303
Reactivity	Human, Mouse, Rat, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 E~~N/A IP~~N/A

EIF3S5 / EIF3F Antibody (aa114-125) - Additional Information**Gene ID** 8665**Other Names**

Eukaryotic translation initiation factor 3 subunit F {ECO:0000255|HAMAP-Rule:MF_03005}, eIF3f {ECO:0000255|HAMAP-Rule:MF_03005}, Deubiquitinating enzyme eIF3f, 3.4.19.12, Eukaryotic translation initiation factor 3 subunit 5 {ECO:0000255|HAMAP-Rule:MF_03005}, eIF-3-epsilon {ECO:0000255|HAMAP-Rule:MF_03005}, eIF3 p47 {ECO:0000255|HAMAP-Rule:MF_03005}, EIF3F {ECO:0000255|HAMAP-Rule:MF_03005}

Target/Specificity

Amino acids 114-125 of human eIF3f protein.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

EIF3S5 / EIF3F Antibody (aa114-125) is for research use only and not for use in diagnostic or therapeutic procedures.

EIF3S5 / EIF3F Antibody (aa114-125) - Protein Information**Name** EIF3F {ECO:0000255|HAMAP-Rule:MF_03005}**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

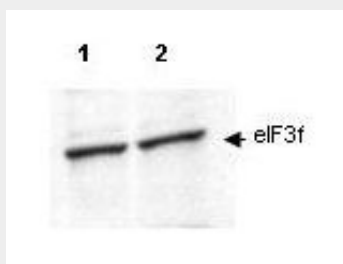
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03005}.

EIF3S5 / EIF3F Antibody (aa114-125) - 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](#)

EIF3S5 / EIF3F Antibody (aa114-125) - Images



Anti-eIF3F Antibody - Western Blot.

EIF3S5 / EIF3F Antibody (aa114-125) - 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.

EIF3S5 / EIF3F Antibody (aa114-125) - References

Asano K.,et al.J. Biol. Chem. 272:27042-27052(1997).

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

Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

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

Shi J.,et al.J. Biol. Chem. 278:5062-5071(2003).