

EIF2D Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI16158**Specification**

EIF2D Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P41214
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64kDa KDa

EIF2D Antibody - N-terminal region - Additional Information**Gene ID 1939**

Alias Symbol **EIF2D, HCA56, LGTN,**
Other Names

Eukaryotic translation initiation factor 2D, eIF2d, Hepatocellular carcinoma-associated antigen 56, Ligatin, EIF2D, HCA56, LGTN

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 µl of distilled water. Final Anti-EIF2D antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles.

Precautions

EIF2D Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

EIF2D Antibody - N-terminal region - Protein Information

Name EIF2D

Synonyms HCA56, LGTN

Function

Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits.

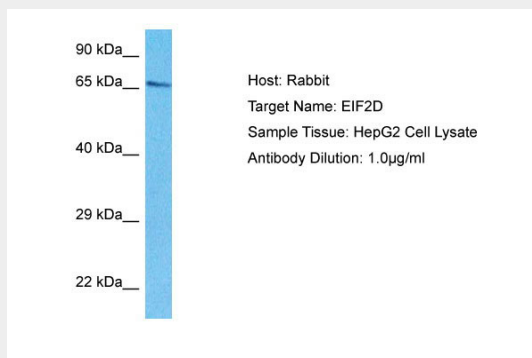
Cellular Location

Cytoplasm.

EIF2D Antibody - N-terminal region - 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](#)

EIF2D Antibody - N-terminal region - Images

Host: Rabbit
Target Name: EIF2D
Sample Tissue: HepG2 Whole Cell lysates
Antibody Dilution: 1.0µg/ml

EIF2D Antibody - N-terminal region - Background

Translation initiation factor that is able to deliver tRNA to the P-site of the eukaryotic ribosome in a GTP-independent manner. The binding of Met-tRNA(I) occurs after the AUG codon finds its position in the P-site of 40S ribosomes, the situation that takes place during initiation complex formation on some specific RNAs. Its activity in tRNA binding with 40S subunits does not require the presence of the aminoacyl moiety. Possesses the unique ability to deliver non-Met (elongator) tRNAs into the P-site of the 40S subunit. In addition to its role in initiation, can promote release of deacylated tRNA and mRNA from recycled 40S subunits following ABCE1-mediated dissociation of post-termination ribosomal complexes into subunits.

EIF2D Antibody - N-terminal region - References

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Wang Y.,et al.J. Immunol. 169:1102-1109(2002).
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