

Anti-EEF1A1 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18574**Specification**

Anti-EEF1A1 Antibody - Product Information

Application	WB, IHC-P, IF
Primary Accession	P68104
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	50141

Anti-EEF1A1 Antibody - Additional Information**Gene ID 1915**Alias Symbol **EEF1A1****Other Names**

EEF1A1, Cervical cancer suppressor 3, CCS-3, CCS3, EEF-1, Elongation factor Tu, EEF1A, EF-Tu, EF1A, Elongation factor 1-alpha 1, GRAF-1EF, LENG7, PTI1, CTCL tumor antigen, EE1A1, EEF1A-1, EF-1-alpha-1, EF1a-like protein, HNGC:16303

Target/Specificity

Human EEF1A1 / EEF1A

Reconstitution & Storage

Affinity purified

Precautions

Anti-EEF1A1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-EEF1A1 Antibody - Protein Information**Name** EEF1A1**Synonyms** EEF1A, EF1A, LENG7**Function**

Translation elongation factor that catalyzes the GTP- dependent binding of aminoacyl-tRNA (aa-tRNA) to the A-site of ribosomes during the elongation phase of protein synthesis (PubMed:26651998, PubMed:26593721, PubMed:36264623, PubMed:36123449, PubMed:36638793). Base pairing

between the mRNA codon and the aa-tRNA anticodon promotes GTP hydrolysis, releasing the aa-tRNA from EEF1A1 and allowing its accommodation into the ribosome (PubMed:26651998, PubMed:26593721, PubMed:36264623, PubMed:36123449, PubMed:36638793). The growing protein chain is subsequently transferred from the P-site peptidyl tRNA to the A-site aa-tRNA, extending it by one amino acid through ribosome-catalyzed peptide bond formation (PubMed:26651998, PubMed:26593721, PubMed:36264623, PubMed:36123449). Also plays a role in the positive regulation of IFNG transcription in T-helper 1 cells as part of an IFNG promoter-binding complex with TXK and PARP1 (PubMed:17177976).

Cellular Location

Cytoplasm. Nucleus. Nucleus, nucleolus. Cell membrane. Note=Colocalizes with DLC1 at actin-rich regions in the cell periphery (PubMed:19158340). Translocates together with ZPR1 from the cytoplasm to the nucleus and nucleolus after treatment with mitogens (PubMed:8650580). Localization at the cell membrane depends on EEF1A1 phosphorylation status and the presence of PPP1R16B (PubMed:26497934).

Anti-EEF1A1 Antibody - 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](#)

Anti-EEF1A1 Antibody - Images