

**EEF2 / Elongation Factor 2 Antibody (clone 5B6)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS15715****Specification**

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**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC, IF                |
| Primary Accession | <a href="#">P13639</a> |
| Reactivity        | Human                  |
| Host              | Mouse                  |
| Clonality         | Monoclonal             |
| Calculated MW     | 95kDa KDa              |

**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Additional Information****Gene ID** 1938**Other Names**

Elongation factor 2, EF-2, EEF2, EF2

**Target/Specificity**

Human Elongation Factor 2 / EEF2

**Reconstitution & Storage**

Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.

**Precautions**

EEF2 / Elongation Factor 2 Antibody (clone 5B6) is for research use only and not for use in diagnostic or therapeutic procedures.

**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Protein Information****Name** EEF2**Synonyms** EF2**Function**

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation (PubMed:<a href="http://www.uniprot.org/citations/26593721" target="\_blank">26593721</a>). During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl- tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively (PubMed:<a href="http://www.uniprot.org/citations/26593721" target="\_blank">26593721</a>). Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome (PubMed:<a href="http://www.uniprot.org/citations/26593721" target="\_blank">26593721</a>).

**Cellular Location**

Cytoplasm. Nucleus. Note=Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C- terminal cleavage product.

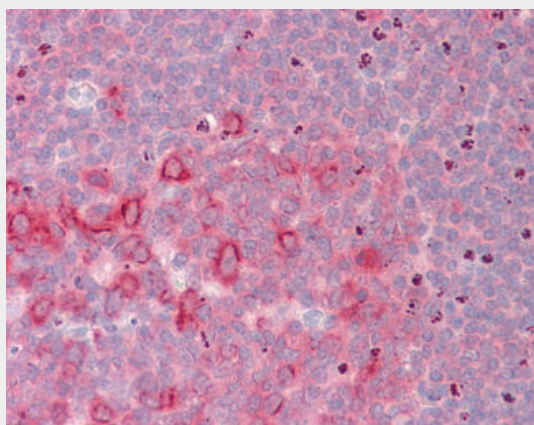
**Volume**

50 µl

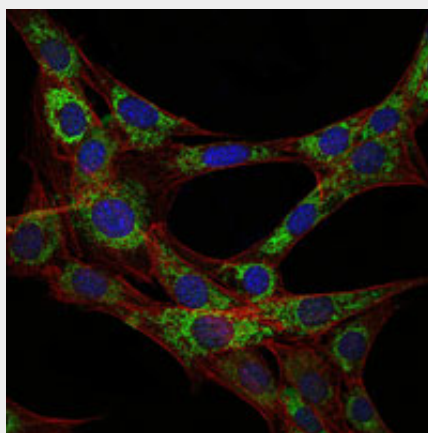
**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Protocols**

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](#)

**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Images**

Anti-EEF2 / Elongation Factor 2 antibody IHC staining of human tonsil.



Immunofluorescence of 3T3-L1 cells using EEF2 mouse monoclonal antibody (green).

**EEF2 / Elongation Factor 2 Antibody (clone 5B6) - Background**

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation. During this step, the ribosome changes from the pre-translocational (PRE) to the post- translocational (POST) state as the newly formed A-site-bound peptidyl-tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively. Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome.

#### **EEF2 / Elongation Factor 2 Antibody (clone 5B6) - References**

Rapp G.,et al.Biol. Chem. Hoppe-Seyler 370:1071-1075(1989).  
Hanes J.,et al.Biol. Chem. Hoppe-Seyler 373:201-204(1992).  
Ustek D.,et al.Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Rapp G.,et al.Biol. Chem. Hoppe-Seyler 369:247-250(1988).