

EEF2 / Elongation Factor 2 Antibody (aa31-80)
Rabbit Polyclonal Antibody
Catalog # ALS15007**Specification**

EEF2 / Elongation Factor 2 Antibody (aa31-80) - Product Information

Application	IF, WB, IHC
Primary Accession	P13639
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95kDa KDa

EEF2 / Elongation Factor 2 Antibody (aa31-80) - Additional Information**Gene ID** 1938**Other Names**

Elongation factor 2, EF-2, EEF2, EF2

Target/Specificity

eEF2 Antibody detects endogenous levels of total eEF2 protein.

Reconstitution & Storage

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

Precautions

EEF2 / Elongation Factor 2 Antibody (aa31-80) is for research use only and not for use in diagnostic or therapeutic procedures.

EEF2 / Elongation Factor 2 Antibody (aa31-80) - Protein Information**Name** EEF2**Synonyms** EF2**Function**

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation (PubMed:26593721). 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:26593721). Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome (PubMed:26593721).

Cellular Location

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

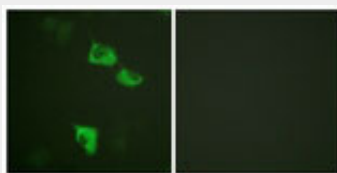
Volume

50 μ l

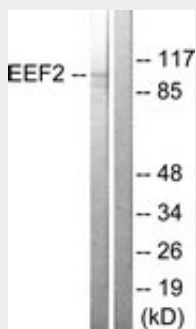
EEF2 / Elongation Factor 2 Antibody (aa31-80) - Protocols

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

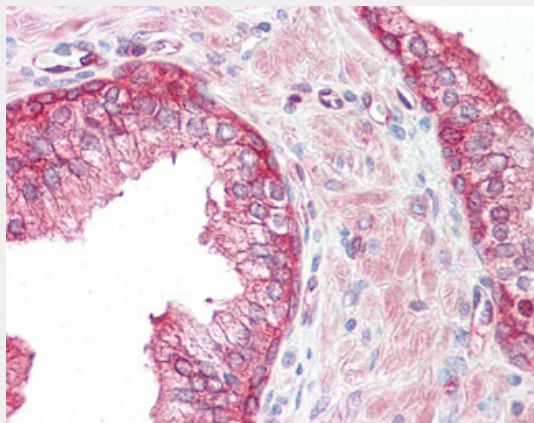
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EEF2 / Elongation Factor 2 Antibody (aa31-80) - Images

Immunofluorescence of HUVEC cells, using eEF2 Antibody.



Western blot of extracts from NIH-3T3 cells, treated with serum 10% 30', using eEF2 Antibody.



Anti-EEF2 antibody IHC of human prostate.

EEF2 / Elongation Factor 2 Antibody (aa31-80) - 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 (aa31-80) - 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).