

eEF2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52728**Specification**

eEF2 Antibody - Product Information

Application	WB, ICC
Primary Accession	P13639
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	95 KDa

eEF2 Antibody - Additional Information**Gene ID** 1938**Other Names**

EEF2;Eef2;EF-2;EF2;EF2_HUMAN;Elongation factor 2;Eukaryotic translation elongation factor 2;Polypeptidyl tRNA translocase;SCA26.

Dilution

WB~~1:5000

ICC~~1:200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

eEF2 Antibody - 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).

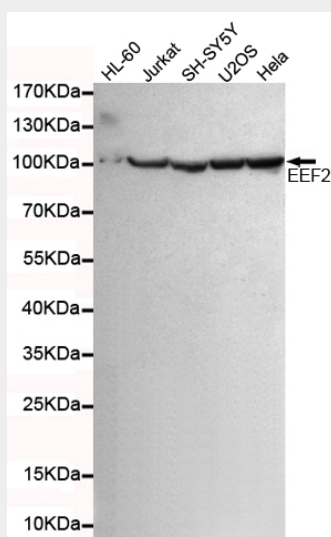
Cellular Location

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

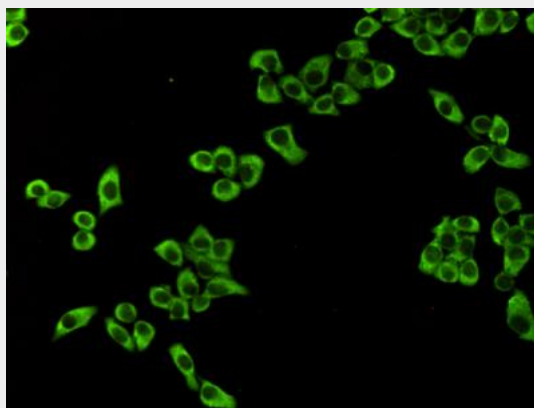
eEF2 Antibody - Protocols

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](#)

eEF2 Antibody - Images

Western blot detection of eEF2 in HL-60, Jurkat, SH-SY5Y, U2OS and HeLa cell lysates using eEF2 mouse mAb (1:5000 diluted). Predicted band size: 95KDa. Observed band size: 95KDa. Exposure time: 15s.



Immunocytochemistry staining of HeLa cells fixed with -20°C Methanol and using anti-eEF2

mouse mAb (dilution 1:200).

eEF2 Antibody - 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 Antibody - 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).