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eEF2 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52728

Product Information

Application	WB, ICC
Primary Accession	P13639
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	95338

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.

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.

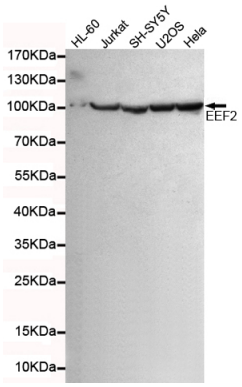
Background

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.

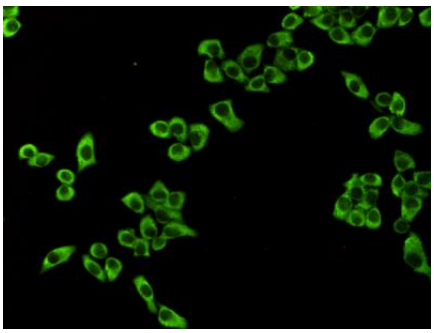
References

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).

Images



Western blot detection of eEF2 in HL-60,Jurkat,SHSY-5Y,U20S 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℃ Methanol and using anti-eEF2 mouse mAb (dilution 1:200).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.