10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

EEF2/Elongation factor 2 Rabbit mAb

Catalog # AP76477

Product Information

Application	WB, IHC-P, IHC-F, FC, IP
Primary Accession	P13639
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	95338

Additional Information

Gene ID	1938
Other Names	EEF2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A FC~~1:50-1:100 IP~~1:20
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

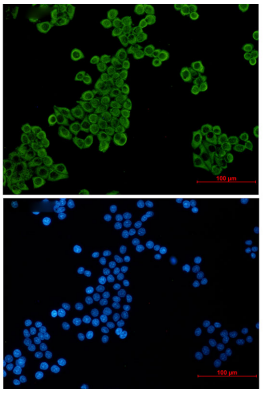
Protein Information

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.

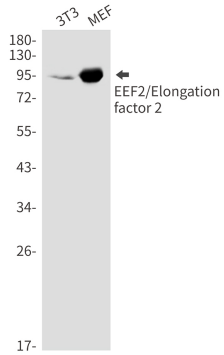
Background

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.

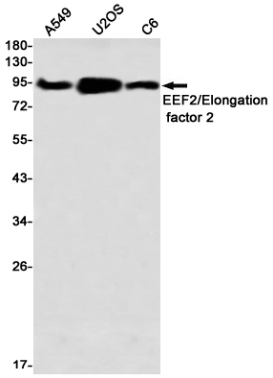
Images



Immunocytochemistry analysis of Elongation factor 2 (green) in Hela using Elongation factor 2 antibody,and DAPI(blue).

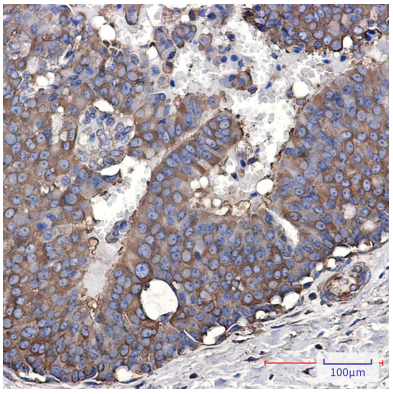


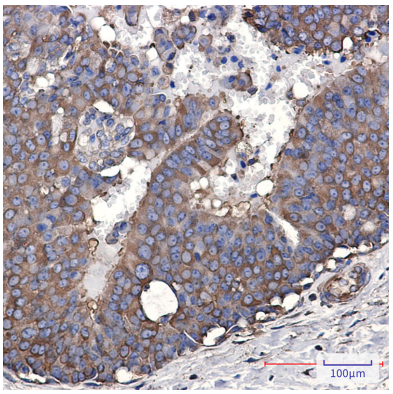
Western blot analysis of EEF2/Elongation factor 2 in 3T3, MEF lysates using EEF2/Elongation factor 2 antibody.



Western blot analysis of EEF2/Elongation factor 2 in A549, U2OS, C6 lysates using EEF2/Elongation factor 2 antibody

Immunohistochemistry analysis of paraffin-embedded Human breast cancer using EEF2/Elongation factor 2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.





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