

Recombinant Anti-EEF2 Rabbit mAb

Catalog # AP95097

Product Information

Application	WB, IHC, FC, IP, IF/IC
Primary Accession	P13639
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	95338

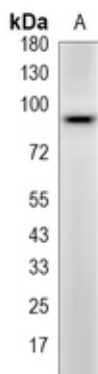
Additional Information

Gene ID	1938
Other Names	EF2; Elongation factor 2; EF-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human EEF2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

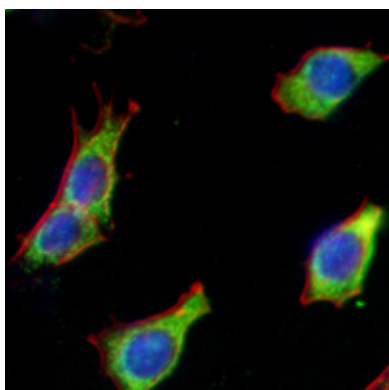
Protein Information

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.

Images



Western blot analysis of EEF2 expression in A431 (A) whole cell lysates. (Predicted band size: 95 kD; Observed band size: 95 kD)



Immunofluorescent analysis of EEF2 staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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