

Anti-EEF2 / Elongation Factor 2 Antibody (phospho-Thr56)

Rabbit Anti Human Polyclonal Antibody

Catalog # ALS17593

Product Information

Application	WB, IHC-P, E
Primary Accession	P13639
Predicted	Human, Mouse, Rat, Hamster, Monkey, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	95338

Additional Information

Gene ID	1938
Alias Symbol	EEF2
Other Names	EEF2, EEF-2, EF-2, Elongation factor 2, Polypeptidyl-tRNA translocase, EF2
Target/Specificity	Detects endogenous levels of eEF2 only when phosphorylated at threonine 56. It does not recognize eEF2 phosphorylated at other sites.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-EEF2 / Elongation Factor 2 Antibody (phospho-Thr56) is for research use only and not for use in diagnostic or therapeutic procedures.

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.

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