

Anti-EEF2 Antibody (4B3-G7-H5)

Mouse Monoclonal Antibody

Catalog # ABV12045

Product Information

Application	WB, IF
Primary Accession	P13639
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2b
Clone Names	4B3-G7-H5
Calculated MW	95338

Additional Information

Gene ID	1938
Application & Usage Other Names	WB: HL-60, Jurkat, SHSY-5Y, U20S and HeLa cell lysates; IF: HeLa cells EEF2, Eef2, EF-2, EF2, EF2_HUMAN, Elongation factor 2, Eukaryotic translation elongation factor 2, Polypeptidyl tRNA translocase, SCA26
Target/Specificity	EEF2
Antibody Form	Liquid
Appearance	Colorless liquid
Formulation	In buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Handling	The antibody solution should be gently mixed before use.
Reconstitution & Storage	-20 °C
Background Descriptions Precautions	Anti-EEF2 Antibody (4B3-G7-H5) 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.

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.

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