

EEF1A2 Rabbit mAb

Catalog # AP76476

Product Information

Application	WB, IP
Primary Accession	Q05639
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	50470

Additional Information

Gene ID	1917
Other Names	EEF1A2
Dilution	WB~~1:500-1:1000 IP~~1:20-1:50
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.

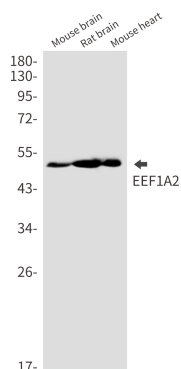
Protein Information

Name	EEF1A2 {ECO:0000303 PubMed:10950927, ECO:0000312 HGNC:HGNC:3192}
Function	Translation elongation factor that catalyzes the GTP- dependent binding of aminoacyl-tRNA (aa-tRNA) to the A-site of ribosomes during the elongation phase of protein synthesis. Base pairing between the mRNA codon and the aa-tRNA anticodon promotes GTP hydrolysis, releasing the aa-tRNA from EEF1A1 and allowing its accommodation into the ribosome (By similarity). The growing protein chain is subsequently transferred from the P-site peptidyl tRNA to the A-site aa-tRNA, extending it by one amino acid through ribosome-catalyzed peptide bond formation (By similarity).
Cellular Location	Endoplasmic reticulum membrane
Tissue Location	Brain, heart, and skeletal muscle.

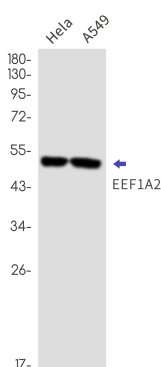
Background

EEF1A2, also named as EEF1AL, STN and Statin-S1, belongs to the GTP-binding elongation factor family and EF-Tu/EF-1A subfamily. It promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. EEF1A2 may be critical in the development of ovarian cancer. The MW of EEF1A2 is 50-53kd. This antibody can recognize both EEF1A1 and EEF1A2.

Images



Western blot analysis of EEF1A2 in mouse brain, rat brain, mouse heart lysates using Elongation Factor 1A2 antibody.



Western blot analysis of EEF1A2 in HeLa, A549 lysates using EEF1A2 antibody.

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