

KD-Validated Anti-EEF1A2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI2291

Product Information

Application	WB
Primary Accession	Q05639
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB4655
Calculated MW	50470
Gene Name	EEF1A2
Aliases	EEF1A2; Eukaryotic Translation Elongation Factor 1 Alpha 2; EEF1AL; HS1; STN; Eukaryotic Elongation Factor 1 A-2; Elongation Factor 1-Alpha 2; EF-1-Alpha-2; Statin-S1; STNL; Statin-Like; EEF1A-2; Statin; EIEE33; DEE33; MRD38; EF1A
Immunogen	A synthesized peptide derived from human EEF1A2

Additional Information

Gene ID	1917
Other Names	Elongation factor 1-alpha 2, EF-1-alpha-2, 3.6.5.-, Eukaryotic elongation factor 1 A-2, eEF1A-2, Statin-S1, EEF1A2 {ECO:0000303 PubMed:10950927, ECO:0000312 HGNC:HGNC:3192}

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.

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