

Rabbit eEF2 Polyclonal Antibody | anti-eEF2 antibody

eEF2 Antibody

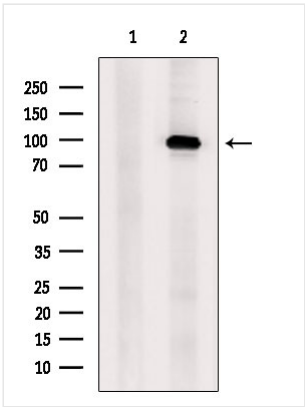
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328594	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Dog, Chicken	ELISA, Western Blot

PRODUCT SYNONYMS

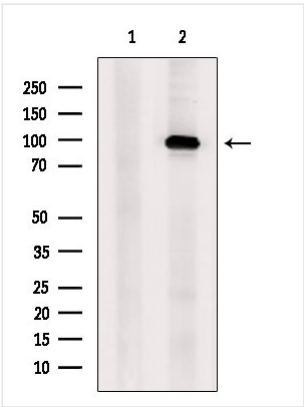
eEF2; Polyclonal Antibody; eEF2 Antibody; EEF 2; Eef2; EF-2; EF2; EF2_HUMAN; Elongation factor 2; Eukaryotic translation elongation factor 2; Polypeptidyl tRNA translocase; SCA26; anti-eEF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	eEF2 Antibody detects endogenous levels of eEF2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	858
Applicable Applications for anti-eEF2 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human eEF2.
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from PC12, using eEF2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of eEF2 in lysates of NIH-3T3 , using eEF2 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-eEF2 antibody	Description: 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.
	Post Translational Modifications: Phosphorylation by EF-2 kinase completely inactivates EF-2; it requires prior phosphorylation by CDK2 at Ser-595 during mitotic prometaphase. Phosphorylation by CSK promotes SUMOylation, proteolytic cleavage, and nuclear translocation if the C-terminal fragment. Diphthamide is 2-[3-carboxyamido-3-(trimethyl-ammonio)propyl]histidine. Diphthamide can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A, thus arresting protein synthesis (By similarity). ISGylated. Proteolytically processed at two sites following phosphorylation by CSK. Sumoylated following phosphorylation by CSK, promotes proteolytic cleavage.
	Subunit Structure: Component of the mRNA surveillance SURF complex, at least composed of ERF1, ERF3 (ERF3A or ERF3B), EEF2, UPF1/RENT1, SMG1, SMG8 and SMG9 (PubMed:19417104). Interacts with RBPMS2 (PubMed:25064856).
	Similarity: Belongs to the TRAFAC class translation factor GTPase superfamily. Classic translation factor GTPase family. EF-G/EF-2 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503483
NCBI GeneID	1938
NCBI Accession #	NP_001952.1
NCBI GenBank Nucleotide #	NP_001952.1
UniProt Accession #	P13639
Molecular Weight	Observed: 95 kDa Predicted: 96 kDa
NCBI Official Full Name	elongation factor 2
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 2
NCBI Official Symbol	EEF2
NCBI Official Synonym Symbols	EF2; EF-2; EEF-2; SCA26

NCBI Protein Information	elongation factor 2
UniProt Protein Name	Elongation factor 2
UniProt Gene Name	EEF2
UniProt Synonym Gene Names	EF2; EF-2
UniProt Entry Name	EF2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/eef2-antibody-peptide-elisa-western-blot-elisa/328594>