

EEF1A1 Polyclonal Antibody | anti-EEF1A1 antibody

EEF1A1 Polyclonal Antibody

CATALOG # AAA36857	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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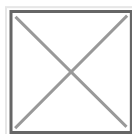
PRODUCT SYNONYMS

EEF1A1; Polyclonal Antibody; EEF1A1 Polyclonal Antibody; CCS-3; CCS3; EEF-1; EEF1A; EF-Tu; EF1A; FLJ25721; GRAF-1EF; HNGC:16303; LENG7; MGC102687; MGC131894; MGC16224; PTI1; eEF1A-1; anti-EEF1A1 antibody

PRODUCT SPECIFICATIONS

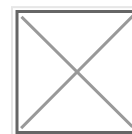
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence Length	462
Applicable Applications for anti-EEF1A1 antibody	IF (Immunofluorescence), WB (Western Blot)
Source	Rabbit
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3
Immunogen	Recombinant protein of human EEF1A1
Calculated Molecular Weight	47kDa/50kDa
Observed MW	50kDa
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using EEF1A1 antibody. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using EEF1A1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-EEF1A1 antibody	Translation is the process where amino acid residues are assembled into polypeptides on ribosomes. This process is generally divided into three stages: initiation, elongation and termination. During elongation, mRNA and tRNA pair at the two active sites (A and P sites) on the ribosome. A number of eukaryotic elongation factors (eEFs) are involved in this process in mammalian cells (1). eEF1A, also called elongation factor Tu (EF-Tu), binds GTP and interacts with amino acyl-tRNAs to promote recruitment of amino acyl-tRNAs to the A-site of the ribosome (1). After GTP hydrolysis, GDP-eEF1A leaves the ribosome and is later converted back to the GTP-eEF1A by eEF1B (1). Studies have shown that eEF1A is phosphorylated under certain conditions, indicating that its activity is regulated at the post-translational level (2,3).
Product Categories/Family for anti-EEF1A1 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	55584035
NCBI GeneID	1915
UniProt Accession #	P68104; P04719; P04720; Q6IQ15
NCBI Official Full Name	Elongation factor 1-alpha 1
NCBI Official Synonym Full Names	eukaryotic translation elongation factor 1 alpha 1
NCBI Official Symbol	EEF1A1
NCBI Official Synonym Symbols	CCS3; EF1A; PTI1; CCS-3; EE1A1; EEF-1; EEF1A; EF-Tu; LENG7; eEF1A-1; GRAF-1EF; HNGC:16303
NCBI Protein Information	elongation factor 1-alpha 1; EF-1-alpha-1; EF1a-like protein; CTCL tumor antigen; elongation factor Tu; cervical cancer suppressor 3; elongation factor 1 alpha subunit; prostate tumor-inducing protein 1; eukaryotic elongation factor 1 A-1; leukocyte receptor cluster member 7; leukocyte receptor cluster (LRC) member 7; translation elongation factor 1 alpha 1-like 14; glucocorticoid receptor AF-1 specific elongation factor; eukaryotic translation elongation factor 1 alpha 1-like 14
UniProt Protein Name	Elongation factor 1-alpha 1
UniProt Gene Name	EEF1A1
UniProt Synonym Gene Names	EEF1A; EF1A; LENG7; EF-1-alpha-1; EF-Tu; eEF1A-1
UniProt Entry Name	EF1A1_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eef1a1-antibody-immunofluorescence-western-blot-elisa/36857>