

Rabbit EEF1A1 Polyclonal Antibody | anti-EEF1A1 antibody

EEF1A1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285859	Rabbit	Reactivity: Human Predicted Reactivity: Xenopus, Bovine, Hamster, Horse, Mouse, Rabbit, Rat, Chicken, Zebrafish	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, Immunofluorescence

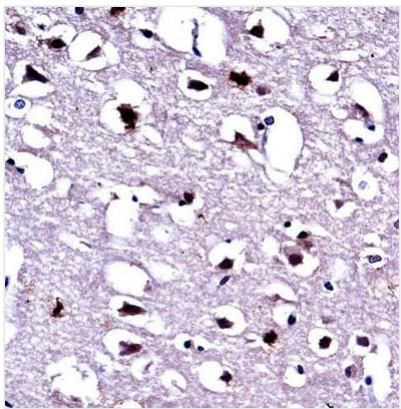
PRODUCT SYNONYMS

EEF1A1; Polyclonal Antibody; EEF1A1 Antibody (C-term); Elongation factor 1-alpha 1; EF-1-alpha-1; Elongation factor Tu; EF-Tu; Eukaryotic elongation factor 1 A-1; eEF1A-1; Leukocyte receptor cluster member 7; EEF1A; EF1A; LENG7; anti-EEF1A1 antibody

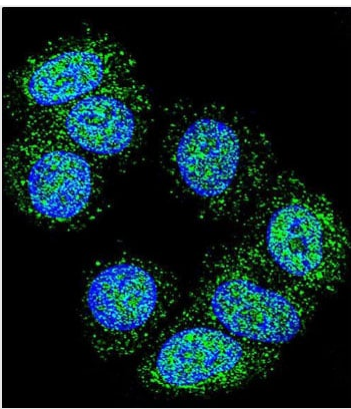
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reactivity: Human Predicted Reactivity: Xenopus, Bovine, Hamster, Horse, Mouse, Rabbit, Rat, Chicken, Zebrafish
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EEF1A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 361-389 amino acids from the C-terminal region of human EEF1A1
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate(SAS) precipitation followed by dialysis against PBS.
Sequence Positions	361-389
Applicable Applications for anti-EEF1A1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), IF (Immunofluorescence)
Function	This protein promotes the GTP-dependent binding of aminoacyl- tRNA to the A-site of ribosomes during protein biosynthesis. Plays a role in the positive regulation of IFNG transcription in T-helper 1 cells as part of an IFNG promoter-binding complex with TXK and PARP1 (PubMed:).
Cellular Location	Cytoplasm. Nucleus. Nucleus, nucleolus. Cell membrane. Note=Colocalizes with DLC1 at actin-rich regions in the cell periphery (PubMed: 19158340). Translocates together with ZPR1 from the cytoplasm to the nucleus and nucleolus after treatment with mitogens (PubMed: 8650580). Localization at the cell membrane depends on EEF1A1 phosphorylation status and the presence of PPP1R16B (PubMed: 26497934).
Tissue Location	Brain, placenta, lung, liver, kidney, pancreas but barely detectable in heart and skeletal muscle
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

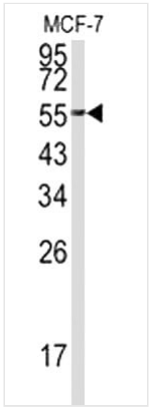
IMAGES



IHC (Immunohistochemisry)
EEF1A1 Antibody (C-term) (AAA285859)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EEF1A1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)
Confocal immunofluorescent analysis of EEF1A1 Antibody (C-term) with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of EEF1A1 Antibody (C-term) in MCF-7 cell line lysates (35ug/lane). EEF1A1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-EEF1A1 antibody	EEF1A1 is an isoform of the alpha subunit of the elongation factor-1 complex, which is responsible for the enzymatic delivery of aminoacyl tRNAs to the ribosome. This isoform (alpha 1) is expressed in brain, placenta, lung, liver, kidney, and pancreas, and the other isoform (alpha 2) is expressed in brain, heart and skeletal muscle. This isoform is identified as an autoantigen in 66% of patients with Felty syndrome.
Product Categories/Family for anti-EEF1A1 antibody	Cancer
References	Byun,H.O., Cancer Res. 69 (11), 4638-4647 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503471
NCBI GeneID	1915
NCBI Accession #	NP_001393.1
NCBI GenBank Nucleotide #	NM_001402.5
UniProt Accession #	P68104; P04719; P04720; Q6IQ15
Molecular Weight	Calculated MW: 50141

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
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-flow-cytometry-immunohistochemistry-western-blot-immunofluorescence-elisa/285859>