Rabbit EEF1A1 Polyclonal Antibody | anti-EEF1A1 antibody

EEF1A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA168833	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot**

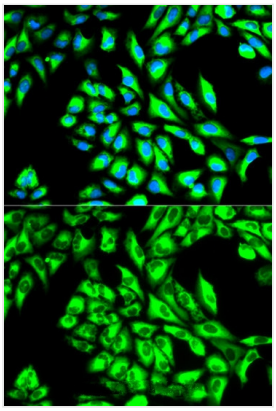
PRODUCT SYNONYMS

EEF1A1; Polyclonal Antibody; EEF1A1 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

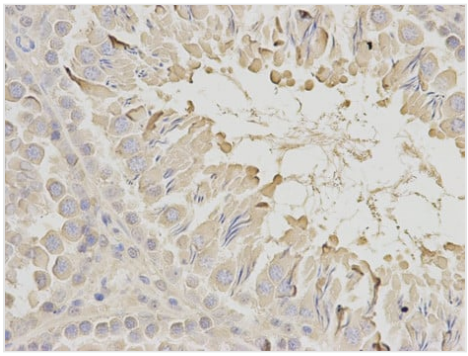
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	462
Applicable Applications for anti-EEF1A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human EEF1A1
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-28578
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

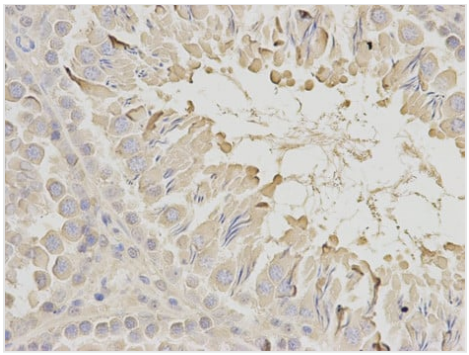
IMAGES



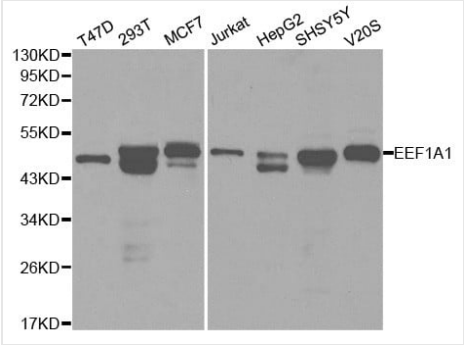
IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cell using EEF1A1 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemisry)
Immunohistochemistry of paraffin-embedded rat testis using EEF1A1 antibody at dilution of 1:200 (400x lens).



IHC (Immunohiostchemistry)
Immunohistochemistry of paraffin-embedded human stomach cancer using EEF1A1 antibody at dilution of 1:200 (400x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using EEF1A1 antibody.

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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503471
NCBI GeneID	1915
NCBI Accession #	NP_001393.1
NCBI GenBank Nucleotide #	NM_001402.5
Molecular Weight	47,869 Da
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; CTCL tumor antigen; EF-1-alpha-1; EF1a-like protein; cervical cancer suppressor 3; elongation factor 1 alpha subunit; elongation factor Tu; eukaryotic elongation factor 1 A-1; eukaryotic translation elongation factor 1 alpha 1-like 14; glucocorticoid receptor AF-1 specific elongation factor; leukocyte receptor cluster (LRC) member 7; leukocyte receptor cluster member 7; prostate tumor-inducing protein 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/eef1a1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/168833