

Rabbit anti-Human EIF5 Polyclonal Antibody | anti-EIF5 antibody

Anti-EIF5 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255712	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry, ELISA

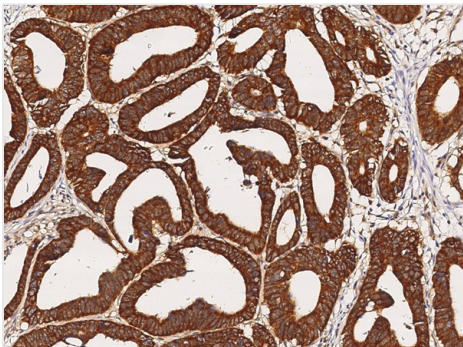
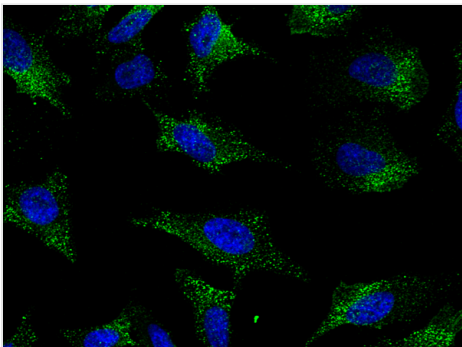
PRODUCT SYNONYMS

EIF5; Polyclonal Antibody; Anti-EIF5 Antibody; Rabbit Polyclonal; EIF-5A/EIF5 Antibody; Rabbit PAb; Antigen Affinity Purified; eukaryotic translation initiation factor 5; Anti-EIF-5 Antibody; Anti-EIF-5A Antibody; anti-EIF5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EIF-5A/EIF5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-EIF5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human EIF-5A/EIF5 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human EIF-5A/EIF5 (rh EIF-5A/EIF5). EIF-5A/EIF5 specific IgG was purified by Human EIF-5A/EIF5 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of EIF5 in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human EIF5 polyclonal antibody (1:1000) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to cytoplasm.

IHC (Immunohistochemistry)
Immunochemical staining of human EIF5 in human colon carcinoma with rabbit polyclonal antibody (1:300, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-EIF5 antibody	EIF-5A, also known as EIF5, functions in start site selection as a GTPase accelerating protein (GAP) for the eukaryotic translation initiation factor (eIF) 2-GTP-tRNA ternary complex within the ribosome-bound pre-initiation complex. In protein synthesis initiation, eIF2 functions in its GTP-bound state to deliver initiator methionyl-tRNA to the small ribosomal subunit and is necessary for protein synthesis in all cells. EIF-5A stabilizes the binding of GDP to eIF2 and is therefore a bi-functional protein that acts as a GDP dissociation inhibitor (GDI). EIF-5A also interacts with eIF1 and eIF3 and binds the eIF2-GTP/Met-tRNA ternary complex along with the 40S ribosome subunit.
Product Categories/Family for anti-EIF5 antibody	Actin Dynamics Signaling Pathway
References	Si K, et al. (1996) Charactatierizon of multiple mRNAs that encode mammalian translation initiation factor 5 (eIF-5). J Biol Chem. 71(28):16934.Das S, et al. (1998) Specific interaction of eukaryotic translation initiation factor 5 (eIF5) with the beta-subunit of eIF2. J Biol Chem. 272(50):31712-8.Conte MR, et al. (2006) Structure of the eukaryotic initiation factor (eIF) 5 reveals a fold common to several translation factors. Biochemistry. 45(14):4550-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361337
NCBI GeneID	1983
NCBI Accession #	NP_001960
NCBI GenBank Nucleotide #	NM_001969
UniProt Accession #	P55010; Q53XB3; Q9H5N2; Q9UG48
Molecular Weight	49,223 Da
NCBI Official Full Name	eukaryotic translation initiation factor 5
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 5
NCBI Official Symbol	EIF5
NCBI Official Synonym Symbols	EIF-5; EIF-5A
NCBI Protein Information	eukaryotic translation initiation factor 5
UniProt Protein Name	Eukaryotic translation initiation factor 5
UniProt Gene Name	EIF5

UniProt Synonym Gene Names	eIF-5
UniProt Entry Name	IF5_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/eif5-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255712>