

Rabbit EIF3J Polyclonal Antibody | anti-EIF3J antibody

Phospho-EIF3J (Ser127) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329308	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

EIF3J; Polyclonal Antibody; Phospho-EIF3J (Ser127) Antibody; eIF 3 alpha; eIF-3-alpha; eIF3 alpha; eIF3 p35; eIF3j; EIF3J_HUMAN; EIF3S 1; EIF3S1; Eukaryotic translation initiation factor 3 subunit 1; Eukaryotic translation initiation factor 3 subunit J; Eukaryotic translation initiation factor 3; subunit 1 (alpha; 35kD); subunit 1 alpha; 35kD; anti-EIF3J antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-EIF3J (Ser127) Antibody detects endogenous levels of EIF3J only when phosphorylated at Ser127.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-EIF3J antibody	ELISA (Peptide ELISA), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human EIF3J around the phosphorylation site of Ser127.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylated. Phosphorylation is enhanced upon serum stimulation.
Subunit Structure	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is composed of 13 subunits: EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L and EIF3M. The eIF-3 complex appears to include 3 stable modules: module A is composed of EIF3A, EIF3B, EIF3G and EIF3I; module B is composed of EIF3F, EIF3H, and EIF3M; and module C is composed of EIF3C, EIF3D, EIF3E, EIF3K and EIF3L. EIF3C of module C binds EIF3B of module A and EIF3H of module B, thereby linking the three modules. EIF3J is a labile subunit that binds to the eIF-3 complex via EIF3B. The eIF-3 complex interacts with RPS6KB1 under conditions of nutrient depletion. Mitogenic stimulation leads to binding and activation of a complex composed of MTOR and RPTOR, leading to phosphorylation and release of RPS6KB1 and binding of EIF4B to eIF-3.
Similarity	Belongs to the eIF-3 subunit J family.
Subcellular Location	Cytoplasm.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



Application Data

At 25 degree C. Samples were then incubated with primary Ab(At 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI (blue).



IHC (Immunohistochemistry)

At 1/100 staining Human mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

Staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

At 1/100 staining Rat testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3J antibody

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression.

NCBI AND UNIPROT INFORMATION

NCBI GI #	547235537
NCBI GeneID	8669
NCBI Accession #	NP_001271264.1
NCBI GenBank Nucleotide #	NM_001284335.1
UniProt Accession #	O75822; Q9BUD2; Q9H8Q2; Q9UI65; B4DUI3; F5H425
Molecular Weight	23,027 Da
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit J isoform 2
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit J
NCBI Official Symbol	EIF3J
NCBI Official Synonym Symbols	EIF3S1; eIF3-p35; eIF3-alpha
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit J; EIF3J; eukaryotic translation initiation factor 3, subunit 1 (alpha, 35kD)
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit J
UniProt Gene Name	EIF3J
UniProt Entry Name	EIF3J_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/eif3j-antibody-peptide-elisa-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/329308>