

Rabbit anti-Human, Mouse EIF3K Polyclonal Antibody | anti-EIF3K antibody

EIF3K Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324719	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

EIF3K; Polyclonal Antibody; EIF3K Antibody; ARG134; eIF 3 p25; eIF 3 p28; eIF-3 p25; eIF-3 p28; EIF3-p28; eif3k; EIF3K_HUMAN; EIF3S12; Eukaryotic translation initiation factor 3 subunit 12; Eukaryotic translation initiation factor 3 subunit K; HSPC029; M9; MSTP001; Muscle specific gene M9 protein; Muscle-specific gene M9 protein; PLAC 24; PLAC-24; PLAC24; PRO1474; PTD001; anti-EIF3K antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	EIF3K antibody detects endogenous levels of total EIF3K
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	218
Applicable Applications for anti-EIF3K antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus. Cytoplasm.
Tissue Specificity	Ubiquitous, with the highest levels of expression in brain, testis and kidney.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (92%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using EIF3K antibody.



IF (Immunofluorescence)
AAA324719 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3K antibody	Function: Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773, PubMed:27462815). 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 (PubMed:17581632). 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 (PubMed:25849773). 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. Interacts with CCND3, but not with CCND1 and CCND2. Similarity: Belongs to the eIF-3 subunit K family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10801345
NCBI GeneID	27335
NCBI Accession #	NP_037366.1
NCBI GenBank Nucleotide #	NM_013234.3
UniProt Accession #	Q9UBQ5; Q96IQ0; Q9Y6D1; A8K0I9; B7ZAM9
Molecular Weight	Observed: 30 kD Predicted: 26 kDa
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit K isoform 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3 subunit K
NCBI Official Symbol	EIF3K
NCBI Official Synonym Symbols	M9; ARG134; PLAC24; PTD001; EIF3S12; HSPC029; MSTP001; PLAC-24; PRO1474; EIF3-p28
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit K
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit K
UniProt Gene Name	EIF3K

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/eif3k-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324719>