

Rabbit EIF3G Polyclonal Antibody | anti-EIF3G antibody

EIF3G Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287304	Rabbit	Human (Predicted Reactivity: Xenopus, Bovine, Zebrafish, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

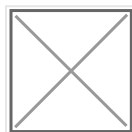
PRODUCT SYNONYMS

EIF3G; Polyclonal Antibody; EIF3G Antibody (Center); Eukaryotic translation initiation factor 3 subunit G {ECO:0000255|HAMAP-Rule:MF_03006}; eIF3g {ECO:0000255|HAMAP-Rule:MF_03006}; Eukaryotic translation initiation factor 3 RNA-binding subunit {ECO:0000255|HAMAP-Rule:MF_03006}; eIF-3 RNA-binding subunit {ECO:0000255|HAMAP-Rule:MF_03006}; Eukaryotic translation initiation factor 3 subunit 4 {ECO:0000255|HAMAP-Rule:MF_03006}; eIF-3-delta {ECO:0000255|HAMAP-Rule:MF_03006}; eIF3 p42 {ECO:0000255|HAMAP-Rule:MF_03006}; eIF3 p44 {ECO:0000255|HAMAP-Rule:MF_03006}; EIF3G {ECO:0000255|HAMAP-Rule:MF_03006}; anti-EIF3G antibody

PRODUCT SPECIFICATIONS

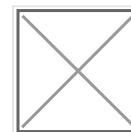
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Xenopus, Bovine, Zebrafish, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EIF3G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 209-238 amino acids from the Central region of human EIF3G.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	209-238
Sequence Length	320
Applicable Applications for anti-EIF3G antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



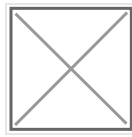
FCM/FACS (Flow Cytometry)

EIF3G Antibody (Center) flow cytometric analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

EIF3G Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human cervix carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the EIF3G Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

EIF3G Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the EIF3G antibody detected the EIF3G protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3G 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 preinitiation 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 posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. This subunit can bind 18S rRNA.
References	Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 105(47):18139-18144(2008) Masutani, M., et al. EMBO J. 26(14):3373-3383(2007) Damoc, E., et al. Mol. Cell Proteomics 6(7):1135-1146(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	49472822
NCBI GeneID	8666
NCBI Accession #	NP_003746.2
NCBI GenBank Nucleotide #	NM_003755.3
UniProt Accession #	O75821 ; O14801 ; Q969U5
Molecular Weight	35611
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit G
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit G
NCBI Official Symbol	EIF3G
NCBI Official Synonym Symbols	EIF3S4; EIF3-P42; eIF3-p44; eIF3-delta
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit G
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit G
UniProt Gene Name	EIF3G
UniProt Synonym Gene Names	eIF3g; eIF-3 RNA-binding subunit
UniProt Entry Name	EIF3G_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/eif3g-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287304>