

Rabbit EIF3CL Polyclonal Antibody | anti-EIF3C antibody

EIF3CL Antibody (N-term)

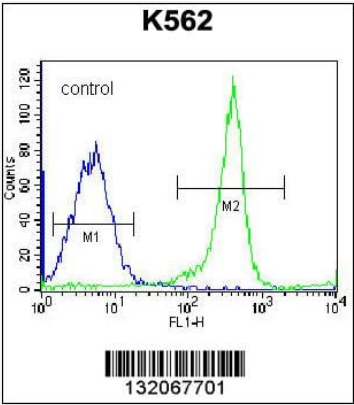
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286077	Rabbit	Human; (Predicted: Bovine, Mouse, Rat)	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

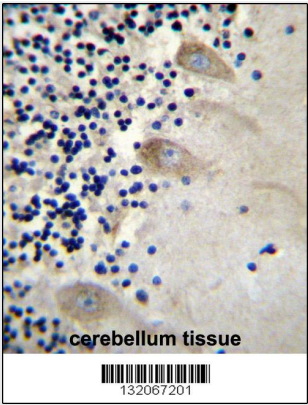
EIF3CL; Polyclonal Antibody; EIF3CL Antibody (N-term); Eukaryotic translation initiation factor 3 subunit C {ECO:0000255|HAMAP-Rule:MF_03002}; eIF3c {ECO:0000255|HAMAP-Rule:MF_03002}; Eukaryotic translation initiation factor 3 subunit 8 {ECO:0000255|HAMAP-Rule:MF_03002}; eIF3 p110 {ECO:0000255|HAMAP-Rule:MF_03002}; EIF3C {ECO:0000255|HAMAP-Rule:MF_03002}; anti-EIF3C antibody

PRODUCT SPECIFICATIONS

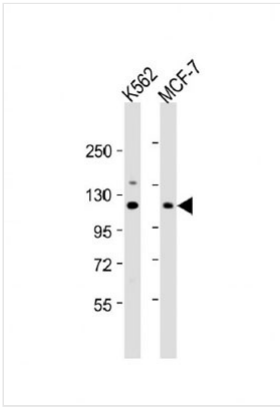
Host	Rabbit
Reactivity	Human; (Predicted: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This EIF3CL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-155 amino acids from the N-terminal region of human EIF3CL.
Form/Format	Purified 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.
Sequence Positions	127-155
Applicable Applications for anti-EIF3C antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
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: , PubMed:25849773, PubMed:). 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 (43SPIC). 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:).
Cellular Location	Cytoplasm {ECO:0000255 HAMAP-Rule:MF_03002}.



FCM/FACS (Flow Cytometry)
EIF3CL Antibody (N-term) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
EIF3CL Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human cerebellum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of EIF3CL Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
All lanes : Anti-EIF3CL Antibody (N-term) at 1:1000 dilution Lane 1: K562 whole cell lysate
Lane 2: MCF-7 whole cell lysate Lysates/proteins at 20 ?g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 105 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3C 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.
References	Imielinski, M., et al. Nat. Genet. 41(12):1335-1340(2009) 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) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	83700233
NCBI GeneID	8663
NCBI Accession #	NP_001032897.1; NP_001186071.1; NP_001254503.1; NP_003743.1

NCBI GenBank Nucleotide #	NM_001037808.2
UniProt Accession #	Q99613; O00215; Q9BW98; A8K7Z0; B2RXG3; B4E1D5; H3BRV0
Molecular Weight	105344
NCBI Official Full Name	eukaryotic translation initiation factor 3 subunit C isoform a
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 3, subunit C
NCBI Official Symbol	EIF3C
NCBI Official Synonym Symbols	EIF3CL; EIF3S8; eIF3-p110
NCBI Protein Information	eukaryotic translation initiation factor 3 subunit C
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit C
UniProt Gene Name	EIF3C
UniProt Synonym Gene Names	eIF3c
UniProt Entry Name	EIF3C_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/eif3cl-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286077>