

Rabbit EIF3C Polyclonal Antibody | anti-EIF3C antibody

Anti-EIF3C Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126461	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EIF3C; Polyclonal Antibody; Anti-EIF3C Antibody Picoband; anti-EIF3C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-EIF3C antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human EIF3C recombinant protein (Position: E81-Q637).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of K562 cells using anti-EIF3C antibody (AAA126461). Overlay histogram showing K562 cells stained with AAA126461 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-EIF3C Antibody (AAA126461, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 3. IHC analysis of EIF3C using anti-EIF3C antibody (AAA126461). EIF3C was detected in a paraffin-embedded section of human renal carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EIF3C Antibody (AAA126461) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of EIF3C using anti-EIF3C antibody (AAA126461). EIF3C was detected in a paraffin-embedded section of human lymphoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-EIF3C Antibody (AAA126461) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of EIF3C using anti-EIF3C antibody (AAA126461). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat pancreas tissue lysates, Lane 2: mouse kidney tissue lysates, Lane 3: mouse pancreas tissue lysates, Lane 4: mouse RAW264.7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-EIF3C antigen affinity purified polyclonal antibody (#AAA126461) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for EIF3C at approximately 105 kDa. The expected band size for EIF3C is at 105 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3C antibody	Eukaryotic translation initiation factor 3 subunit C (eIF3c) is a protein that in humans is encoded by the EIF3C gene. 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 post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.
Product Categories/Family for anti-EIF3C antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6685539
NCBI GeneID	8663
UniProt Accession #	Q99613; O00215; Q9BW98; A8K7Z0; B2RXG3; B4E1D5; H3BRV0
Molecular Weight	913
NCBI Official Full Name	Eukaryotic translation initiation factor 3 subunit C
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; EIF3C; eIF3 p110; cell migration-inducing protein 17; eukaryotic translation initiation factor 3 subunit 8; eukaryotic translation initiation factor 3, subunit 8 (110kD); eukaryotic translation initiat
UniProt Protein Name	Eukaryotic translation initiation factor 3 subunit C
UniProt Gene Name	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/eif3c-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126461>