

Product datasheet

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ARG40119 anti-eIF3E antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes eIF3E

Tested Reactivity Hu, Zfsh

Predict Reactivity Ms, Rat, Bov, Chk, Mk, Xenopus

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name eIF3E

Species Human

Immunogen KLH-conjugated synthetic peptide corresponding to aa. 248-276 of Human eIF3E.

Conjugation Un-conjugated

Alternate Names Viral integration site protein INT-6 homolog; EIF3-P48; EIF3S6; eIF3e; Eukaryotic translation initiation

factor 3 subunit 6; eIF3-p46; INT6; Eukaryotic translation initiation factor 3 subunit E; eIF-3 p48

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|----------|
| | WB | 1:1000 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |
| Positive Control | K562 | |

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide.

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol

EIF3E

Gene Full Name

eukaryotic translation initiation factor 3, subunit E

Function

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. Required for nonsense-mediated mRNA decay (NMD); may act in conjunction with UPF2 to divert mRNAs from translation to the NMD pathway. May interact with MCM7 and EPAS1 and regulate the proteasome-mediated degradation of these proteins.

[UniProt]

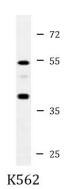
Calculated Mw

52 kDa

Cellular Localization

Cytoplasm. Nucleus, PML body. [UniProt]

Images



ARG40119 anti-eIF3E antibody WB image

Western blot: 35 µg of K562 cell lysate stained with ARG40119 antieIF3E antibody.