ARG66464
anti-eIF3E antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF3E
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF3E
Species	Human
Immunogen	Recombinant full length protein 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
ICC/IF	1:50 - 1:100
WB	1:500 - 1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

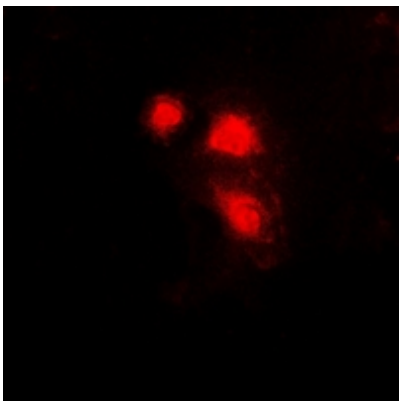
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
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. 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

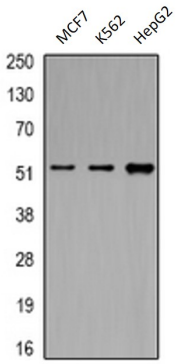
Gene Symbol	EIF3E
Gene Full Name	eukaryotic translation initiation factor 3, subunit E
Function	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and 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



ARG66464 anti-eIF3E antibody ICC/IF image

Immunofluorescence: Formalin-fixed HeLa cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66464 anti-eIF3E antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a hidified chamber.



ARG66464 anti-eIF3E antibody WB image

Western blot: MCF7, K562 and HepG2 whole cell lysates stained with ARG66464 anti-eIF3E antibody.