

# EIF3E antibody

Catalog No: #38657



Package Size: #38657-1 50ul #38657-2 100ul

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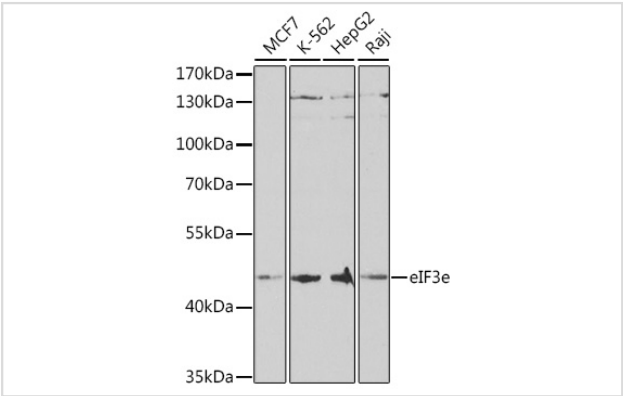
## Description

Product Name	EIF3E antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total EIF3E protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human eIF3e (NP_001559.1).
Target Name	EIF3E
Other Names	EIF3E;EIF3-P48;EIF3S6;INT6;eIF3-p46
Accession No.	Uniprot:P60228GeneID:3646
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GeneID	3646
SDS-PAGE MW	52kDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

## Application Details

WB 1:500 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using eIF3e antibody.

## Background

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-tRNA<sup>i</sup> and eIF-5 to form the 43S pre-initiation 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. 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. 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.

Note: This product is for in vitro research use only