

EIF3A Rabbit Polyclonal Antibody

Catalog No: #53053



Package Size: #53053-1 50ul #53053-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

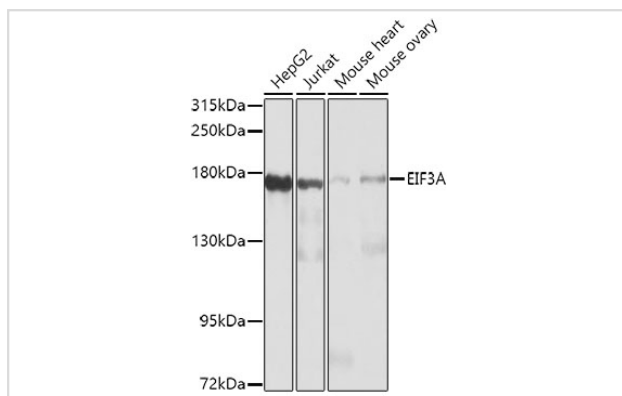
Description

Product Name	EIF3A Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse
Immunogen Description	Recombinant fusion protein of human EIF3A (NP_003741.1).
Other Names	EIF3A;EIF3;EIF3S10;P167;TIF32;eIF3-p170;eIF3-theta;p180;p185
Accession No.	Uniprot:Q14152GeneID:8661
Calculated MW	162kDa/166kDa
SDS-PAGE MW	180kDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

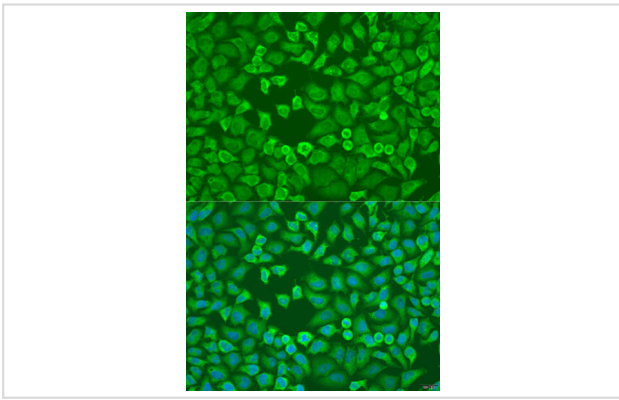
Application Details

WB □ 1:500 - 1:1000 IF □ 1:50 - 1:100

Images



Western blot analysis of extracts of various cell lines, using EIF3A antibody.



Immunofluorescence analysis of U2OS cells using EIF3A antibody.

Background

RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17581632, PubMed:25849773). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i 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 (PubMed:17581632, PubMed:11169732). 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:25849773, PubMed:27462815).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.