

EIF5B Rabbit Polyclonal Antibody

Catalog No: #53989



Package Size: #53989-1 50ul #53989-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

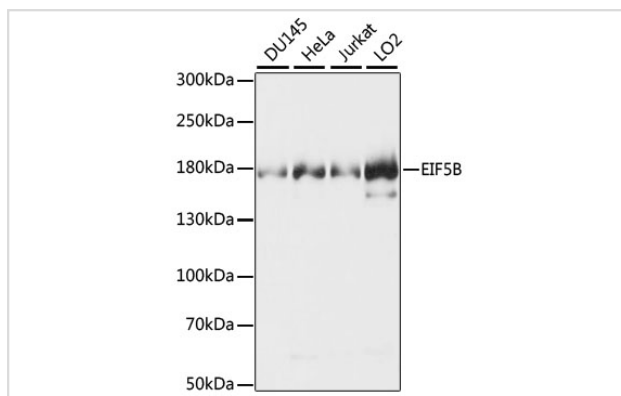
Description

Product Name	EIF5B Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human EIF5B (NP_056988.3).
Other Names	EIF5B;IF2
Accession No.	Swiss Prot:O60841GeneID:9669
Calculated MW	138kDa
SDS-PAGE MW	179kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

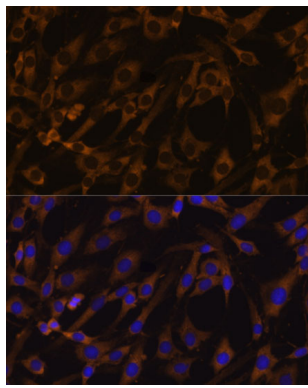
Application Details

WB 1:500 - 1:2000 IF 1:50 - 1:200

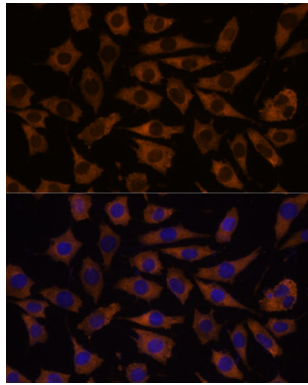
Images



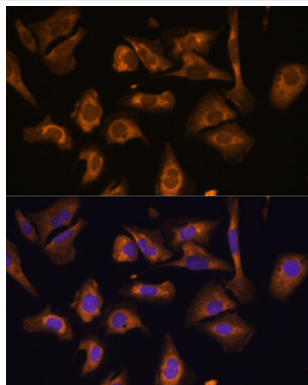
Western blot analysis of extracts of various cell lines, using EIF5B .



Immunofluorescence analysis of C6 cells using EIF5B at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using EIF5B at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using EIF5B at dilution of 1:100. Blue: DAPI for nuclear staining.

Background

Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately.

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