

## EIF5B antibody

Catalog No: #38709

Package Size: #38709-1 50ul #38709-2 100ul

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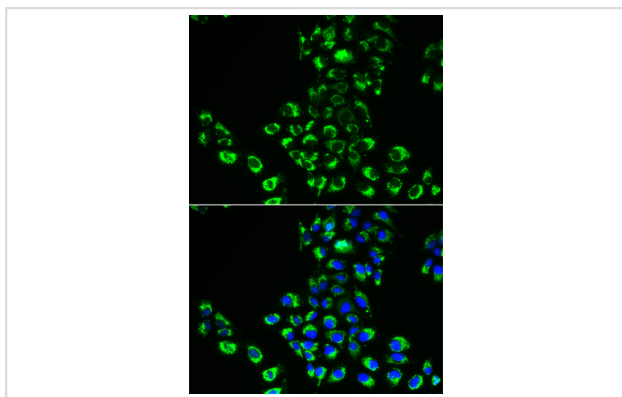
## Description

Product Name	EIF5B antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	IF
Species Reactivity	Human
Specificity	The antibody detects endogenous level of total EIF5B protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human EIF5B.
Target Name	EIF5B
Other Names	IF2;
Accession No.	Swiss-Prot#: O60841NCBI Gene ID: 9669
Uniprot	O60841
GeneID	9669;
SDS-PAGE MW	138kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

IF 1:10 - 1:100

## Images



Immunofluorescence analysis of A549 cells using EIF5B .  
Blue: DAPI for nuclear staining.

## Background

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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.

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Note: This product is for in vitro research use only