ARG58678
anti-eIF5B antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eIF5B
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eIF5B
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-273 of Human EIF5B (NP_056988.3).
Conjugation	Un-conjugated
Alternate Names	Eukaryotic translation initiation factor 5B; Translation initiation factor IF-2; eIF-5B; IF2

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
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.

Positive Control: HeLa

Observed Size: 179 kDa

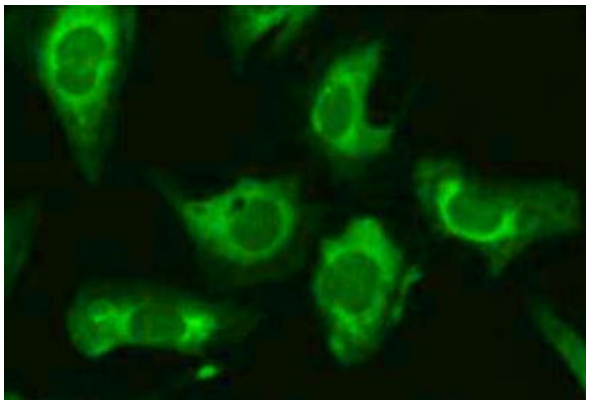
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% 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

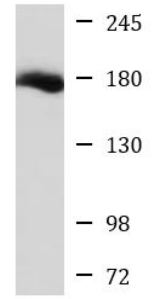
Gene Symbol	EIF5B
Gene Full Name	eukaryotic translation initiation factor 5B
Background	Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (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. [provided by RefSeq, Jul 2008]
Function	Function in general translation initiation by promoting the binding of the formylmethionine-tRNA to ribosomes. Seems to function along with eIF-2 (By similarity). [UniProt]
Calculated Mw	139 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG58678 anti-eIF5B antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG58678 anti-eIF5B antibody at 1:100 dilution.



ARG58678 anti-eIF5B antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG58678 anti-eIF5B antibody.