

For Research Use Only

# EIF5A Monoclonal antibody, PBS Only



Catalog Number: 67214-1-PBS

## Basic Information

<b>Catalog Number:</b> 67214-1-PBS	<b>GenBank Accession Number:</b> BC001832	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1984	<b>CloneNo.:</b> 2D1B6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P63241	
<b>Isotype:</b> IgG1	<b>Full Name:</b> eukaryotic translation initiation factor 5A	
<b>Immunogen Catalog Number:</b> AG28588	<b>Calculated MW:</b> 18 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

**Tested Applications:**  
Indirect ELISA, IF/ICC, WB

**Species Specificity:**  
rat, mouse, human

## Background Information

Translation of messenger RNA (mRNA) to protein in eukaryotes is a crucial process in protein biosynthesis, in which initiation of translation involves interaction of different eukaryotic translation initiation factors (eIFs), ribosome subunits and mRNAs. Eukaryotic translation initiation factor 5A (EIF5A) is one of the eIFs involved in translation initiation. EIF5A has an essential role in cell viability and is the only protein known to contain the amino acid residue hypusine, formed by post-translational modification of a specific lysine residue. Firstly identified as a translation initiation factor, it also has a function in the elongation step of translation.

## Storage

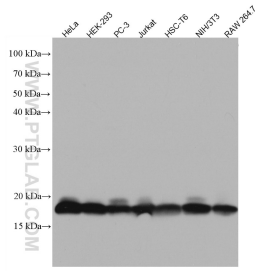
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

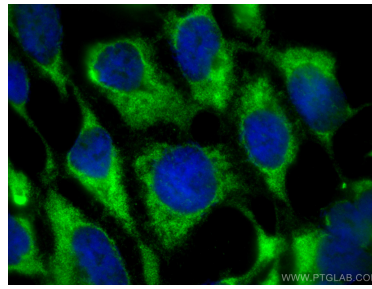
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67214-1-Ig (EIF5A antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67214-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using EIF5A antibody (67214-1-Ig, Clone: 2D1B6) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 67214-1-PBS in a different storage buffer formulation.