

For Research Use Only

# EIF5A Polyclonal antibody

Catalog Number: 11309-1-AP **4 Publications**



## Basic Information

<b>Catalog Number:</b> 11309-1-AP	<b>GenBank Accession Number:</b> BC001832	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 550 µg/ml	<b>GeneID (NCBI):</b> 1984	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P63241	
<b>Isotype:</b> IgG	<b>Full Name:</b> eukaryotic translation initiation factor 5A	
<b>Immunogen Catalog Number:</b> AG1849	<b>Calculated MW:</b> 18 kDa	
	<b>Observed MW:</b> 18 kDa	

## Applications

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

**Cited Applications:**  
WB, IF, IHC

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

**Cited Species:**  
human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** HeLa cells, NIH/3T3 cells, PC-3 cells, SH-SY5Y cells, mouse brain tissue

**IHC :** mouse testis tissue,

**IF :** HeLa cells,

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chuanxin Zhang	36242049	J Ovarian Res	IF
Linjing Li	34234848	J Cancer	WB,IHC
Linchong Sun	37500770	Nat Chem Biol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

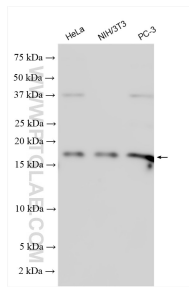
T: 4006900926

E: Proteintech-CN@ptglab.com

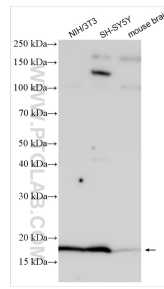
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

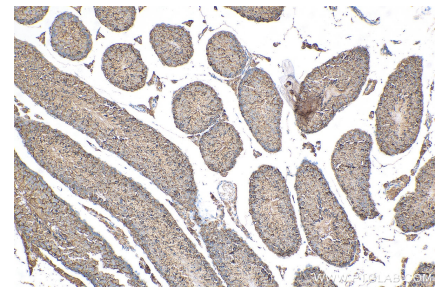
## Selected Validation Data



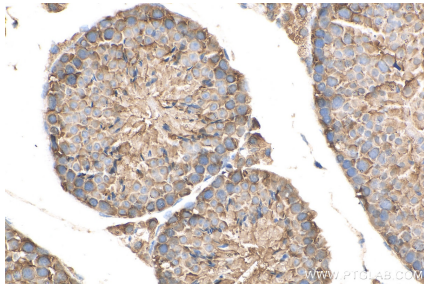
Various lysates were subjected to SDS PAGE followed by western blot with 11309-1-AP (EIF5A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



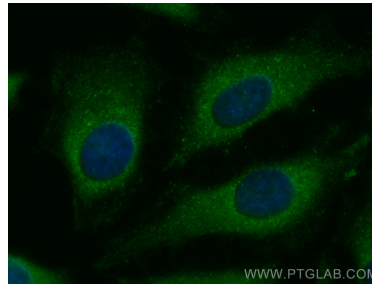
Various lysates were subjected to SDS PAGE followed by western blot with 11309-1-AP (EIF5A antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11309-1-AP (EIF5A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 11309-1-AP (EIF5A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using EIF5A antibody (11309-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).