

For Research Use Only

EIF5A Polyclonal antibody

Catalog Number: 11309-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

11309-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 420 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1849

GenBank Accession Number:

BC001832

GeneID (NCBI):

1984

UNIPROT ID:

P63241

Full Name:

eukaryotic translation initiation factor 5A

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:50-1:500

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

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/ICC: 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 |
| Yanchao Yu | 40126530 | Cancer Res | WB, IP |

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

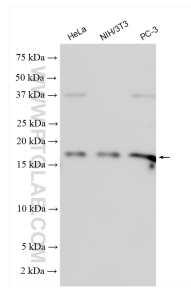
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

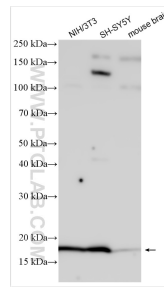
E: proteintech@ptglab.com
W: ptglab.com

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

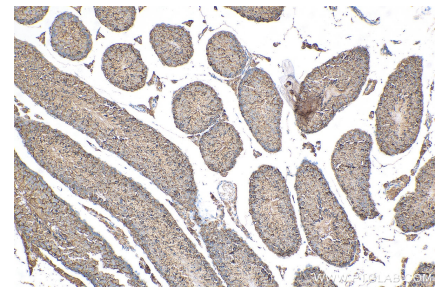
Selected Validation Data



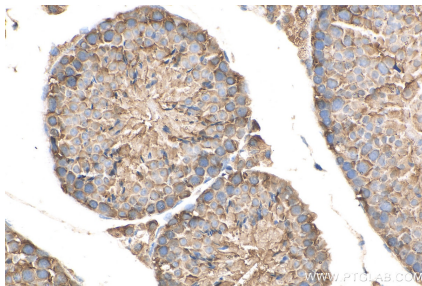
Various lysates were subjected to SDS PAGE followed by western blot with 11309-1-AP (EIF5A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



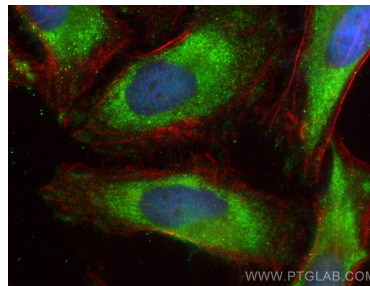
Various lysates were subjected to SDS PAGE followed by western blot with 11309-1-AP (EIF5A antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



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 Ethanol) fixed HeLa cells using EIF5A antibody (11309-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).