

For Research Use Only

# EIF5 Polyclonal antibody

Catalog Number: 11155-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 11155-1-AP	<b>GenBank Accession Number:</b> BC032866	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop and 467 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 1983	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> eukaryotic translation initiation factor 5	<b>IHC 1:20-1:200</b> <b>IF 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 49 kDa	
<b>Immunogen Catalog Number:</b> AG1629	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

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

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

**Cited Species:**  
human, goat

**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 :** HEK-293 cells, HeLa cells, HepG2 cells, NIH/3T3 cells

**IP :** HeLa cells,

**IHC :** human pancreas cancer tissue,

**IF :** HeLa cells,

## Background Information

Eukaryotic translation initiation factor 5, also named as EIF5, is a 431 amino acid protein, which contains one W2 domain and belongs to the eIF-2-beta/eIF-5 family. EIF5 catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. EIF5 plays multiple roles in translation initiation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiu-Yan Huang	31157168	Front Oncol	IHC
Jeeyoon Chang	37811880	Nucleic Acids Res	WB
Zhen Gao	37240191	Int J Mol Sci	WB,IF

## Storage

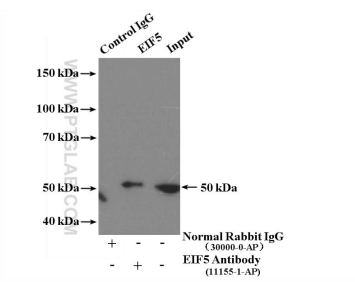
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

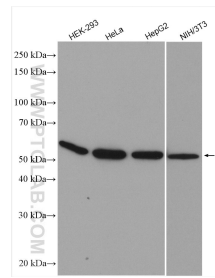
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

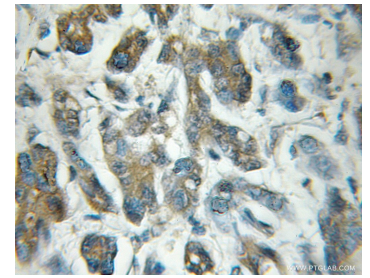
## Selected Validation Data



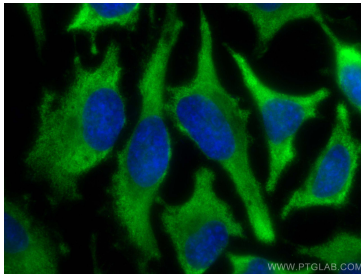
HeLa cells were subjected to SDS PAGE followed by western blot with 11155-1-AP (EIF5 antibody) at dilution of 1:300 incubated at 4 degree celsius over night.



Various lysates were subjected to SDS PAGE followed by western blot with 11155-1-AP (EIF5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer using 11155-1-AP (EIF5 antibody) at dilution of 1:50 (under 10x lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using EIF5 antibody (11155-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).