

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-EIF5B



Numéro de catalogue: 13527-1-AP

Phare

3 Publications

## Informations de base

Numéro de catalogue: 13527-1-AP	Numéro d'acquisition GenBank: BC032639	Méthode de purification: Purification par affinité contre l'antigène
Taille: 150ul, Concentration: 350 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 9669	Dilutions recommandées: WB 1:500-1:2000 IHC 1:20-1:200 IF 1:20-1:200
Hôte: Lapin	Nom complet: eukaryotic translation initiation factor 5B	
Isotype: IgG	MW calculé 1220 aa, 139 kDa	
Immunogen Catalog Number: AG4404	MW observés: 175 kDa	

## Applications

### Applications testées:

IF, IHC, WB, ELISA

### Demandes citées:

WB

### Spécificité de l'espèce:

Humain, rat, souris

### Espèces citées:

Humain

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) A défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

### Contrôles positifs:

WB : tissu cérébral de souris, cellules A549

IHC : tissu de gliome humain,

IF : cellules MCF-7,

## Informations générales

Translation initiation requires the delivery of the initiator methionine tRNA to the 40S ribosomal subunit. The initiator methionine tRNA is delivered by the heterotrimeric complex EIF2 in a ternary complex with GTP that interacts with the 40S subunit. The resulting complex then binds to an mRNA and scans for the AUG start codon. Eukaryotic translation initiation factor 5B (EIF5B) plays a role in recognition of the AUG codon in conjunction with translation factor eIF2, which functions to general translation initiation by promoting the binding of the formylmethionine-tRNA to ribosomes, and promotes joining of the 60S ribosomal subunit. A single crossreactive polypeptide of 175 kDa was detected, whereas the predicted size of the protein was 139 kDa. This size discrepancy may be the result of posttranslational modifications of EIF5B or, perhaps more likely, of unusual behavior in SDS-PAGE caused by the highly charged N-terminal region of EIF5B (PMID: 10200264).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Eunah Kim	30019215	Cell Mol Life Sci	WB
Xu Jiang	27959964	PLoS One	WB
Yuanhui Mao	36824937	bioRxiv	WB

## Stockage

### Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

### Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

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

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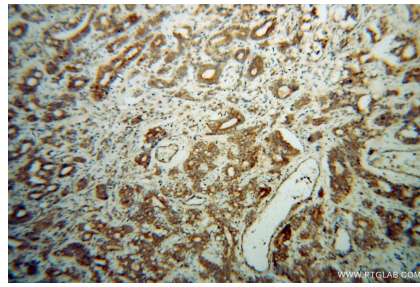
E: proteintech@ptglab.com  
W: ptglab.com

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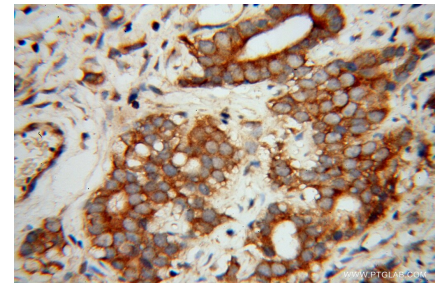
## Données de validation sélectionnées



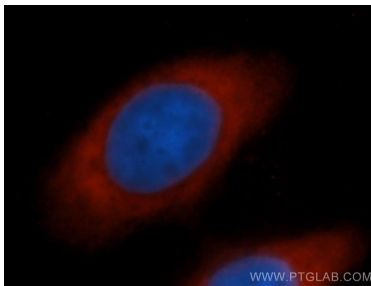
mouse brain tissue were subjected to SDS PAGE followed by western blot with 13527-1-AP (EIF5B antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 13527-1-AP (EIF5B antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human gliomas using 13527-1-AP (EIF5B antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of MCF-7 cells, using EIF5B antibody 13527-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).