

EIF5B Polyclonal Antibody

Catalog number: 13527-1-AP

Size: 32 µg/150 µl

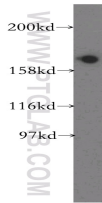
Source: Rabbit

Isotype: IgG

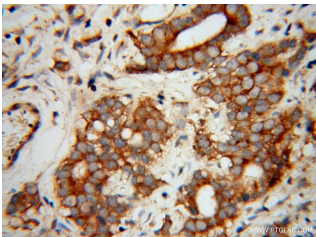
Synonyms:

EIF5B; DKFZp434I036;

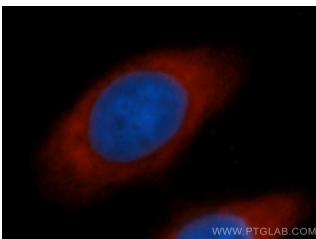
FLJ10524; IF2; KIAA0741



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13527-1-AP(EIF5B Antibody) at dilution of 1:1000



Immunohistochemistry of paraffin-embedded human gliomas using 13527-1-AP(EIF5B Antibody) at Dilution 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).

Background

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.

Applications

Tested applications:	ELISA, WB, IHC, IF
Species specificity:	Human, mouse, rat; other species not tested.
Positive WB detected in:	Mouse brain tissue, A549 cells
Calculated EIF5B MW:	1220aa,139kd
Observed EIF5B MW:	175kd
Positive IHC detected in:	Human gliomas
Positive IF detected in:	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:50-1:200 IF: 1:20-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation, FC = Flow cytometry

Immunogen information

Immunogen:	Ag4404
GenBank accession number:	BC032639
Gene ID (NCBI):	9669
Full name:	Eukaryotic translation initiation factor 5B

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.