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Product datasheet for AP21063PU-N

EIF5B Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blot:** 1/500 - 1/1000. **Immunohistochemistry on paraffin sections:** 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 1061-1110 of Human eIF5B.
Specificity:	This antibody detects endogenous levels of eIF5B protein. (region surrounding His1086)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 139 kDa
Gene Name:	eukaryotic translation initiation factor 5B
Database Link:	Entrez Gene 226982 MouseEntrez Gene 308306 RatEntrez Gene 9669 Human O60841

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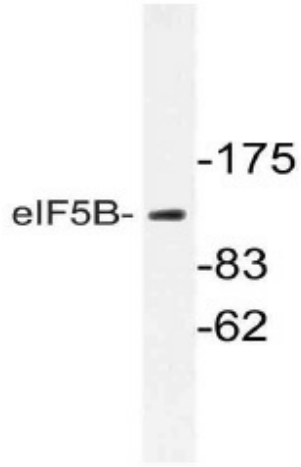
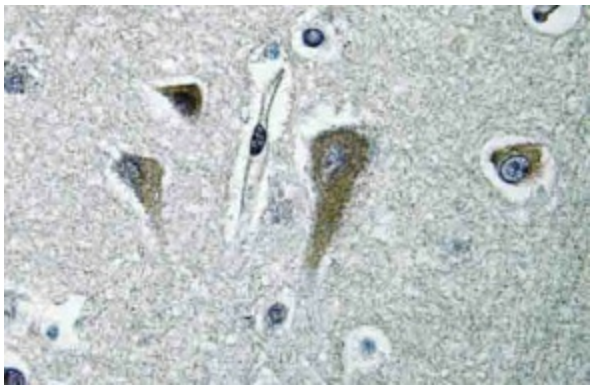
Background: Accurate initiation of translation in eukaryotes is complex and requires many factors, some of which are composed of multiple subunits. The process is simpler in prokaryotes which have only three initiation factors (IF1, IF2, IF3). Two of these factors are conserved in eukaryotes: the homolog of IF1 is eIF1A and the homolog of IF2 is eIF5B. This gene encodes eIF5B. Factors eIF1A and eIF5B interact on the ribosome along with other initiation factors and GTP to position the initiation methionine tRNA on the start codon of the mRNA so that translation initiates accurately.

Synonyms: Eukaryotic translation initiation factor 5B, eIF-5B, KIAA0741

Product images:



Western blot (WB) analysis of eIF5B antibody (Cat.-No.: AP21063PU-N) in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of eIF5B antibody (Cat.-No.: AP21063PU-N) in paraffin-embedded human breast carcinoma tissue.