

AP21063PU-N**Polyclonal Antibody to EIF5B / IF2 - Aff - Purified**

Alternate names:	Eukaryotic translation initiation factor 5B, KIAA0741, Translation initiation factor IF-2, eIF-5B
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
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.
Uniprot ID:	O60841
NCBI:	NP_056988
GeneID:	9669
Host:	Rabbit
Immunogen:	Synthetic peptide, corresponding to amino acids 1061-1110 of Human eIF5B.
Format:	State: Liquid purified Ig fraction Purification: Affinity chromatography (> 95% (by SDS-PAGE) Buffer System: Phosphate buffered saline (PBS), pH 7.2. Preservatives: 0.05% sodium azide
Applications:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections: 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 139 kDa
Specificity:	This antibody detects endogenous levels of eIF5B protein. (region surrounding His1086)
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse and Rat.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

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



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

