



eIF5B Polyclonal Antibody

Catalog No	YP-Ab-03853
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	EIF5B
Immunogen	The antiserum was produced against synthesized peptide derived from human EIF5B. AA range:1051-1100
Specificity	eIF5B Polyclonal Antibody detects endogenous levels of eIF5B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:3.6.5.3;eIF 5B;eIF-5B;IF2;KIAA0741;eIF5B;Eukaryotic translation initiation factor 5B;Translation initiation factor IF-2
Observed Band	139kD
Calculated Molecular Weight	139kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Brain,Cervix carcinoma,Epithelium,Hepatocyte,Liver,Lymph,PI
Function	function:Function in general translation initiation by promoting the binding of the formylmethionine-tRNA to ribosomes. Seems to function along with eIF-2., similarity:Belongs to the IF-2 family.,subunit:Interacts with ANXA5 in a calcium and phospholipid-dependent manner.,
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. [provided by RefSeq, Jul 2008],

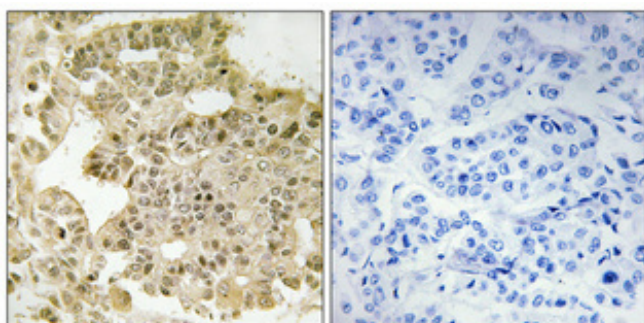
matters needing attention

Avoid repeated freezing and thawing!

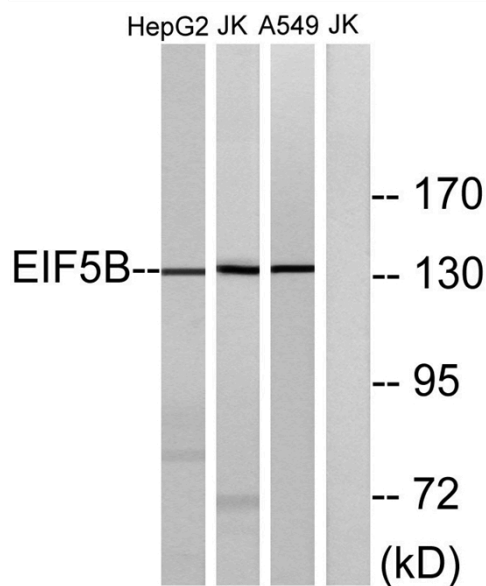
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from Jurkat, HepG2, and A549 cells, using EIF5B Antibody. The lane on the right is blocked with the synthesized peptide.