

Eif5 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI11373

Product Information

Application	WB
Primary Accession	Q07205
Other Accession	NM_020075 , NP_064460
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine, Sheep, Yeast
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48954

Additional Information

Gene ID	108348073
Other Names	Eukaryotic translation initiation factor 5, eIF-5, Eif5
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Eif5 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Eif5 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

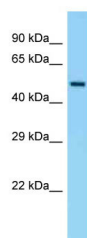
Protein Information

Name	Eif5
Function	Component of the 43S pre-initiation complex (43S PIC), which binds to the mRNA cap-proximal region, scans mRNA 5'-untranslated region, and locates the initiation codon. In this complex, acts as a GTPase-activating protein, by promoting GTP hydrolysis by eIF2G (EIF2S3). During scanning, interacts with both EIF1 (via its C-terminal domain (CTD)) and EIF1A (via its NTD). This interaction with EIF1A contributes to the maintenance of EIF1 within the open 43S PIC. When start codon is recognized, EIF5, via its NTD, induces eIF2G (EIF2S3) to hydrolyze the GTP. Start codon recognition also induces a conformational change of the PIC to a closed state. This change increases the affinity of EIF5-CTD for EIF2-beta (EIF2S2), which allows the release, by an indirect mechanism, of EIF1 from the PIC. Finally, EIF5 stabilizes the PIC in its closed conformation.

Cellular Location

Cytoplasm.

Images



WB Suggested Anti-Eif5 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.