

## DATASHEET

# EIF5 Mouse Monoclonal Antibody(C2682)

CAT. NO. AMA02294

### KEY FEATURES

Target	EIF5	Source / Host	Mouse
Reactivity	Human, Monkey	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

### BACKGROUND

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, 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.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

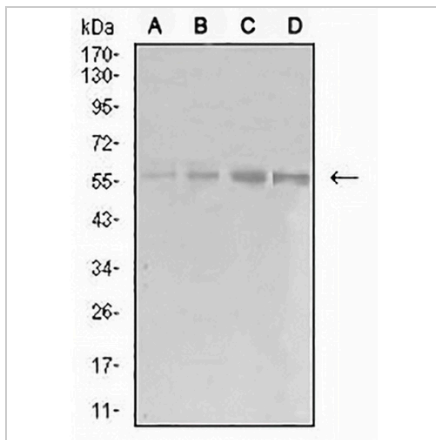
Description	Mouse monoclonal to EIF5
Specificity	Recognizes endogenous levels of EIF5 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human EIF5 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 49 kD; Observed: 57 kD kD
Form/Buffer	Mouse IgG2a. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	EukaryotIC, translation initiation factor 5; eIF-5
Gene Symbol	EIF5
Entrez Gene	1983(Human)
SwissProt	P55010(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of EIF5 expression in K562 (A), COS7 (B), HeLa (C), A431 (D) whole cell lysates. (Predicted band size: 49 kD; Observed band size: 57 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.