

Anti-EIF5A2 Antibody
Rabbit polyclonal antibody to EIF5A2
Catalog # AP61537**Specification**

Anti-EIF5A2 Antibody - Product Information

Application	WB
Primary Accession	O9GZV4
Other Accession	Q8BGY2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16793

Anti-EIF5A2 Antibody - Additional Information**Gene ID** 56648**Other Names**

Eukaryotic translation initiation factor 5A-2; eIF-5A-2; eIF-5A2; Eukaryotic initiation factor 5A isoform 2

Target/Specificity

Recognizes endogenous levels of EIF5A2 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-EIF5A2 Antibody - Protein Information**Name** EIF5A2**Function**

Translation factor that promotes translation elongation and termination, particularly upon ribosome stalling at specific amino acid sequence contexts (PubMed:14622290). Binds between the exit (E) and peptidyl (P) site of the ribosome and promotes rescue of stalled ribosome: specifically required for efficient translation of polyproline-containing peptides as well as other motifs that stall the ribosome. Acts as a ribosome quality control (RQC) cofactor by joining the RQC complex to facilitate peptidyl transfer during CAT tailing step (By similarity). Also involved in actin dynamics and cell cycle progression, mRNA decay and probably in a pathway involved in

stress response and maintenance of cell wall integrity (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:P63241}. Nucleus {ECO:0000250|UniProtKB:P63241}. Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:P63241}; Peripheral membrane protein {ECO:0000250|UniProtKB:P63241}; Cytoplasmic side {ECO:0000250|UniProtKB:P63241}. Note=Hypusine modification promotes the nuclear export and cytoplasmic localization and there was a dynamic shift in the localization from predominantly cytoplasmic to primarily nuclear under apoptotic inducing conditions {ECO:0000250|UniProtKB:P63241}

Tissue Location

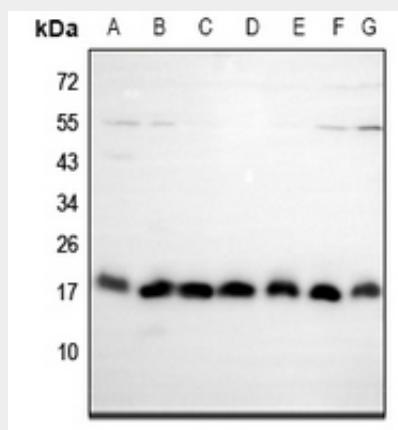
Expressed in ovarian and colorectal cancer cell lines (at protein level). Highly expressed in testis. Overexpressed in some cancer cells.

Anti-EIF5A2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EIF5A2 Antibody - Images



Western blot analysis of EIF5A2 expression in AML12 (A), C6 (B), HEK293T (C), SGC7901 (D), HepG2 (E), A549 (F), A2780 (G) whole cell lysates.

Anti-EIF5A2 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF5A2. The exact sequence is proprietary.