

## ARG65003 anti-eIF5A antibody

Package: 100 µg  
Store at: -20°C

### Summary

|                     |   |
|---------------------|---|
| Product Description | Goat Polyclonal antibody recognizes eIF5A   |
| Tested Reactivity   | Hu  |
| Tested Application  | IHC-P, WB   |
| Specificity         | Reported variants NP_001137233.1, NP_001961.1 and NP_001137234.1 represent identical protein:   |
| Host                | Goat  |
| Clonality           | Polyclonal  |
| Isotype             | IgG   |
| Target Name         | eIF5A   |
| Species             | Human   |
| Immunogen           | C-RPPHRASFLKRLESK   |
| Conjugation         | Un-conjugated   |
| Alternate Names     | eIF5AI; Eukaryotic translation initiation factor 5A-1; eIF-5A-1; Rev-binding factor; Eukaryotic initiation factor 5A isoform 1; eIF-5A1; EIF-5A; eIF-4D; EIF5A1; eIF-5A |

### Application Instructions

|                   |  |             |
|-------------------|--|-------------|
| Application table | Application  | Dilution    |
|                   | IHC-P  | 3 - 5 µg/ml |
|                   | WB   | 1 - 3 µg/ml |
| Application Note  | WB: Recommend incubate at RT for 1h.<br>IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |             |

### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Purified from goat serum by antigen affinity chromatography.   |
| Buffer              | Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.   |
| Preservative        | 0.02% Sodium azide   |
| Stabilizer          | 0.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed |

before use.

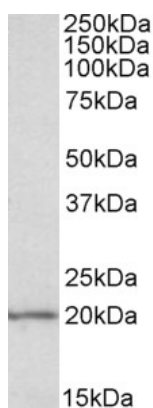
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

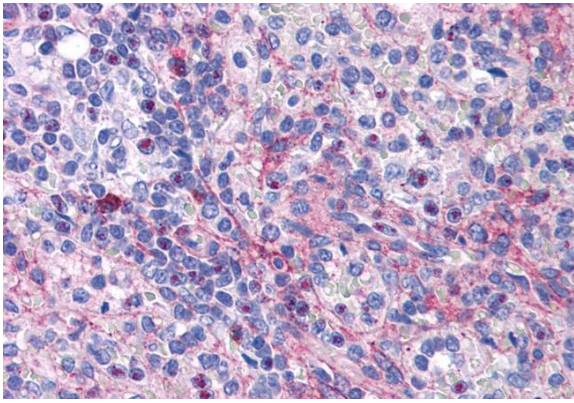
|                |  |
|----------------|--|
| Database links | <a href="#">GeneID: 1984 Human</a><br><a href="#">Swiss-port # P63241 Human</a>  |
| Gene Symbol    | EIF5A  |
| Gene Full Name | eukaryotic translation initiation factor 5A  |
| Function       | mRNA-binding protein involved in translation elongation. Has an important function at the level of mRNA turnover, probably acting downstream of decapping. 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. With syntenin SDCBP, functions as a regulator of p53/TP53 and p53/TP53-dependent apoptosis. Regulates also TNF-alpha-mediated apoptosis. Mediates effects of polyamines on neuronal process extension and survival. May play an important role in brain development and function, and in skeletal muscle stem cell differentiation. Also described as a cellular cofactor of human T-cell leukemia virus type I (HTLV-1) Rex protein and of human immunodeficiency virus type 1 (HIV-1) Rev protein, essential for mRNA export of retroviral transcripts. [UniProt] |
| Research Area  | Gene Regulation antibody   |
| Calculated Mw  | Isoform 1: 17 kDa<br>Isoform 2: 20 kDa   |
| PTM            | Acetylated. Deacetylated by SIRT2.<br>eIF-5A seems to be the only eukaryotic protein to have a hypusine residue which is a post-translational modification of a lysine by the addition of a butylamino group (from spermidine).  |

## Images



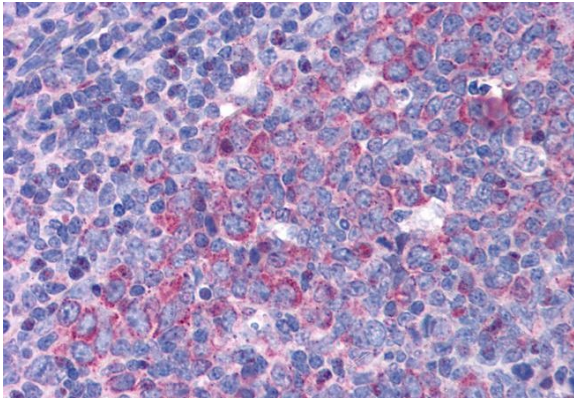
ARG65003 anti-eIF5A antibody WB image

Western Blot: MOLT4 lysate (35 µg protein in RIPA buffer) stained with ARG65003 anti-eIF5A antibody at 0.1 µg/ml dilution.



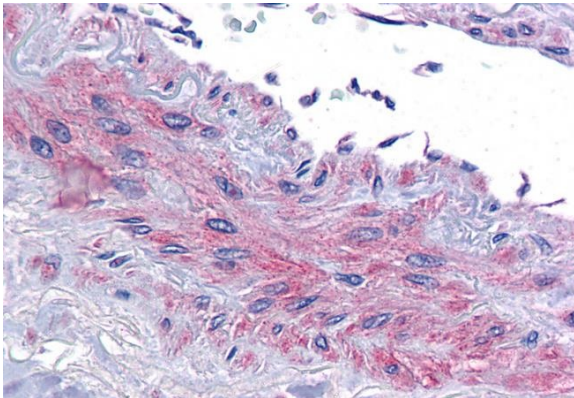
ARG65003 anti-eIF5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human spleen tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65003 anti-eIF5A antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG65003 anti-eIF5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65003 anti-eIF5A antibody at 3.75 µg/ml dilution followed by AP-staining.



ARG65003 anti-eIF5A antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human vessel tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG65003 anti-eIF5A antibody at 3.75 µg/ml dilution followed by AP-staining.