

# KD-Validated Anti-Eukaryotic translation elongation factor 2 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1573

## Product Information

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| <b>Application</b>       | WB, FC, ICC                                                                                                                                                                           |
| <b>Primary Accession</b> | <a href="#">P13639</a>                                                                                                                                                                |
| <b>Reactivity</b>        | Rat, Human, Mouse                                                                                                                                                                     |
| <b>Clonality</b>         | Monoclonal                                                                                                                                                                            |
| <b>Isotype</b>           | Rabbit IgG                                                                                                                                                                            |
| <b>Clone Names</b>       | 23GB1550                                                                                                                                                                              |
| <b>Calculated MW</b>     | 95338                                                                                                                                                                                 |
| <b>Gene Name</b>         | EEF2                                                                                                                                                                                  |
| <b>Aliases</b>           | EEF2; Eukaryotic Translation Elongation Factor 2; EEF-2; EF2; Polypeptidyl-TRNA Translocase; Elongation Factor 2; EF-2; Epididymis Secretory Sperm Binding Protein; EC 3.6.5.-; SCA26 |
| <b>Immunogen</b>         | A synthesized peptide derived from human EEF2                                                                                                                                         |

## Additional Information

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| <b>Gene ID</b>     | 1938                                          |
| <b>Other Names</b> | Elongation factor 2, EF-2, 3.6.5.-, EEF2, EF2 |

## Protein Information

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| <b>Name</b>              | EEF2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>          | EF2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Function</b>          | Catalyzes the GTP-dependent ribosomal translocation step during translation elongation (PubMed: <a href="#">26593721</a> ). During this step, the ribosome changes from the pre-translocational (PRE) to the post- translocational (POST) state as the newly formed A-site-bound peptidyl- tRNA and P-site-bound deacylated tRNA move to the P and E sites, respectively (PubMed: <a href="#">26593721</a> ). Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome (PubMed: <a href="#">26593721</a> ). |
| <b>Cellular Location</b> | Cytoplasm. Nucleus. Note=Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C- terminal cleavage product.                                                                                                                                                                                                                                                                                                                                                                                                               |