

# Anti-Elongation Factor 2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

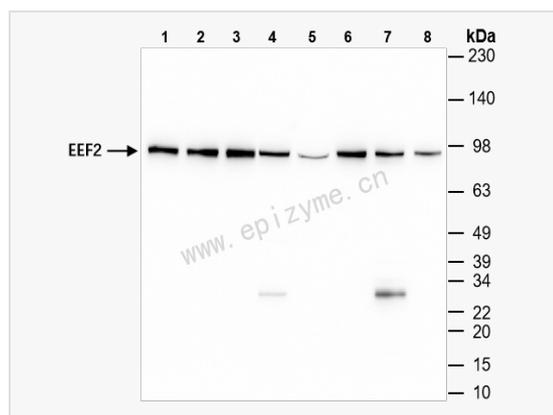
Catalog # R010553

## Product Information

|             |  |
|-------------|--|
| Application | ELISA, WB, IF (Cell)/ICC   |
| Reactivity  | Human, Mouse, Rat  |
| Dilution    | WB 1:1,000~1:5,000; IF 1:100~1:200   |
| Host        | Rabbit   |
| Clonality   | Monoclonal   |
| Clone No.   | 14M25M86   |
| Isotype     | IgG  |
| Label       | Unconjugated   |
| Immunogen   | A synthesized peptide derived from human EEF2/Elongation factor 2  |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                          |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.      |
| Precautions | Anti-Elongation Factor 2 Rabbit mAb [14M25M86] is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

|                   |  |
|-------------------|--|
| Synonyms          | EEF 2, Eef2, EF-2, EF2, EF2_HUMAN, Elongation factor 2, Eukaryotic translation elongation factor 2, Polypeptidyl tRNA translocase, SCA26.  |
| Calculated MW     | Calculated MW: 95 kDa; Observed MW: 95 kDa   |
| Uniprot ID        | P13639   |
| Gene ID           | 1938   |
| Background        | This gene encodes a member of the GTP-binding translation elongation factor family. This protein is an essential factor for protein synthesis. It promotes the GTP-dependent translocation of the nascent protein chain from the A-site to the P-site of the ribosome. This protein is completely inactivated by EF-2 kinase phosphorylation. [provided by RefSeq, Jul 2008] |
| Cellular Location | Cytoplasm.   |



Western Blot - Anti-Elongation Factor 2 Rabbit mAb [14M25M86]

All lanes: R010553 at 1:5,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: Rat kidney whole tissue lysates

Lane 5: Rat muscle whole tissue lysates

Lane 6: Rat spleen whole tissue lysates

Lane 7: Mouse small intestine whole tissue lysates

Lane 8: Mouse heart whole tissue lysates

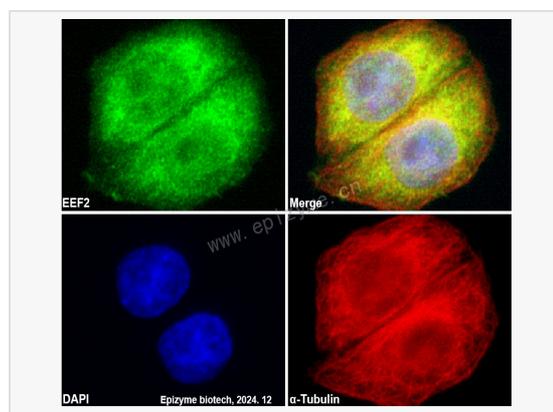
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 95 kDa

Observed band size: 95 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Elongation Factor 2 Rabbit mAb [14M25M86]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R010553 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal

Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and

Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).