

Anti-Elongation factor 2 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

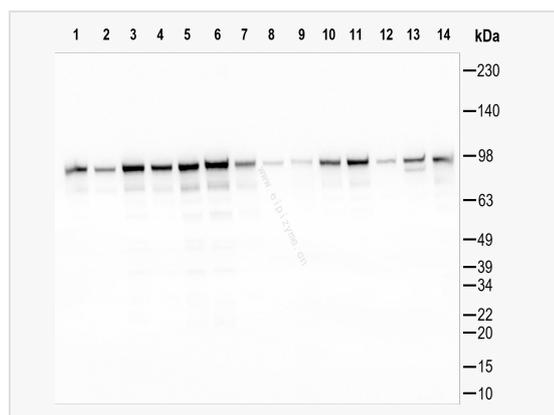
Catalog # M013063

Product Information

| | |
|-------------|---|
| Application | WB, ELISA |
| Reactivity | Human, Mouse, Rat |
| Dilution | WB 1:1,000~1:2,000 |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone No. | 21M13L15 |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | Recombinant protein of human Elongation factor 2 |
| Format | Affinity purified monoclonal antibody supplied in PBS with 0.02% 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 Mouse mAb [21M13L15] is for research use only and not for use in diagnostic or therapeutic procedures. |

Protein Information

| | |
|-------------------|--|
| Synonyms | EF-2; EF2; EEF2; Elongation factor 2. |
| 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 Nucleus Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C-terminal cleavage product. |



Western Blot - Anti-Elongation factor 2 Mouse mAb [21M13L15]

All lanes: M013063 at 1:1,000 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: MCF-7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 5: 293T (Human embryonic kidney cell) whole cell lysates

Lane 6: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 7: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 8: Mouse brain whole tissue lysates

Lane 9: Mouse heart whole tissue lysates

Lane 10: Mouse liver whole tissue lysates

Lane 11: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 12: Rat brain whole tissue lysates

Lane 13: Rat heart whole tissue lysates

Lane 14: Rat liver whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG(H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 95 kDa

Observed band size: 95 kDa

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