

## EEF1E1

**Reactivity:** Human Mouse

**Tested applications:** WB FC

**Recommended Dilution:** WB 1:200 - 1:2000 FC 1:20 - 1:50

**Calculated MW:** 20kDa

**Observed MW:** Refer to figures

**Immunogen:**

A synthetic peptide of human EEF1E1

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Concentration:**

b

**Synonym:**

P18; AIMP3;

**Catalog #:** A4314

**Antibody Type:**

Monoclonal Antibody

**Species:** Mouse

**Gene ID:** 9521

**Isotype:** IgG

**Swiss Prot:** O43324

**Purity:** Affinity purification

For research use only.

**Background:**

This gene encodes a multifunctional protein that localizes to both the cytoplasm and nucleus. In the cytoplasm, the encoded protein is an auxiliary component of the macromolecular aminoacyl-tRNA synthase complex. However, its mouse homolog has been shown to translocate to the nucleus in response to DNA damage, and it plays a positive role in ATM/ATR-mediated p53 activation. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream MUTED (muted homolog) gene. An EEF1E1-related pseudogene has been identified on chromosome 2.

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