

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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