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## Datasheet for ABIN7384097 **anti-EEF1E1 antibody**

### Overview

Quantity:	60 µL
Target:	EEF1E1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EEF1E1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	A synthetic peptide of human EEF1E1 (NP_004271.1).
Isotype:	IgG
Purification:	Affinity purification

### Target Details

Target:	EEF1E1
Alternative Name:	EEF1E1 ( <a href="#">EEF1E1 Products</a> )
Background:	EEF1E1,AIMP3,P18,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.

## Target Details

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.

Molecular Weight: Observed\_MW: 20 kDa  
Calculated\_MW: 15 kDa/19 kDa

Gene ID: 9521

UniProt: [O43324](#)

Pathways: [Positive Regulation of Response to DNA Damage Stimulus](#)

## Application Details

Application Notes: WB 1:200-1:2000 IF 1:50-1:200

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.