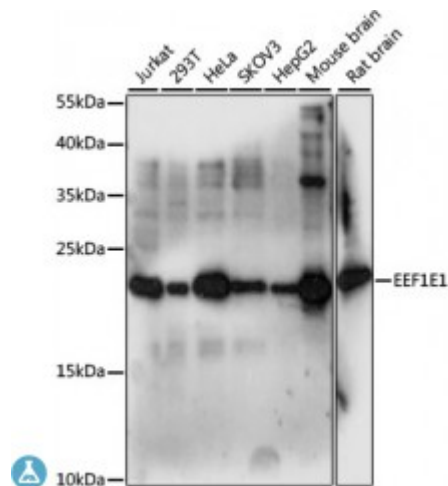


Anti-EEF1E1 Antibody



Description

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.

Model	STJ117552
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human EEF1E1 (NP_004271.1).
Gene ID	9521
Gene Symbol	EEF1E1
Dilution range	WB 1:200 - 1:2000
Tissue Specificity	Down-regulated in various cancer tissues
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Eukaryotic translation elongation factor 1 epsilon-1 Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3 Elongation factor p18 Multisynthase complex auxiliary component p18
Molecular Weight	19.811 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:3212OMIM:609206Reactome:R-HSA-2408517
Alternative Names	Eukaryotic translation elongation factor 1 epsilon-1 Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3 Elongation factor p18 Multisynthase complex auxiliary component p18
Function	Positive modulator of ATM response to DNA damage,
Cellular Localization	Cytoplasm,

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