



Rabbit Anti-eRF1 antibody

SL13098R

Product Name:	eRF1
Chinese Name:	真核肽链释放因子1抗体
Alias:	C11 protein; D5S1995; ERF; eRF1; ERF1_HUMAN; ETF1; Eukaryotic peptide chain release factor subunit 1; Eukaryotic release factor 1; Eukaryotic translation termination factor 1; MGC111066; Polypeptide chain release factor 1; Protein C11; RF1; Sup45 (yeast omnipotent suppressor 45) homolog like 1; SUP45L1; TB3 1; TB3-1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,Zebrafish,Arabidopsis Thaliana,Xenopus laevis
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	49kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human eRF1:341-437/437
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This gene encodes a class-1 polypeptide chain release factor. The encoded protein plays an essential role in directing termination of mRNA translation from the termination codons UAA, UAG and UGA. This protein is a component of the SURF complex which promotes degradation of prematurely terminated mRNAs via the mechanism of

nonsense-mediated mRNA decay (NMD). Alternate splicing results in coding and non-coding transcript variants. Pseudogenes of this gene are found on chromosomes 5, 7 and X. [provided by RefSeq, Jan 2012].

Function:

Directs the termination of nascent peptide synthesis (translation) in response to the termination codons UAA, UAG and UGA. Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop codons.

Subunit:

Heterodimer of two subunits, one of which binds GTP. Component of the transient SURF (SMG1-UPF1-eRF1-eRF3) complex.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the eukaryotic release factor 1 family.

SWISS:

P62495

Gene ID:

2107

Database links:

[Entrez Gene: 2107](#)Human

[Omim: 600285](#)Human

[SwissProt: P62495](#)Human

[Unigene: 483494](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.