

ARG58657 anti-eRF1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eRF1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eRF1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 278-437 of Human eRF1 (NP_004721.1).
Conjugation	Un-conjugated
Alternate Names	Protein Cl1; RF1; eRF1; ERF1; Eukaryotic release factor 1; Eukaryotic peptide chain release factor subunit 1; ERF; TB3-1; SUP45L1; D5S1995

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HT1080	
Observed Size	55 kDa	

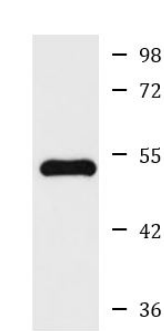
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ETF1
Gene Full Name	eukaryotic translation termination factor 1
Background	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 multiple transcript variants. Pseudogenes of this gene are found on chromosomes 6, 7, and X. [provided by RefSeq, Aug 2013]
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. [UniProt]
Calculated Mw	49 kDa
Cellular Localization	Cytoplasm. [UniProt]

Images



HT1080

ARG58657 anti-eRF1 antibody WB image

Western blot: 25 µg of HT1080 cell lysate stained with ARG58657 anti-eRF1 antibody at 1:1000 dilution.