

# Product datasheet

info@arigobio.com

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; 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

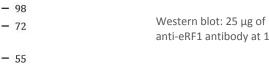
codons UAA, UAG and UGA. Component of the transient SURF complex which recruits UPF1 to stalled ribosomes in the context of nonsense-mediated decay (NMD) of mRNAs containing premature stop

codons. [UniProt]

Calculated Mw 49 kDa

Cellular Localization Cytoplasm. [UniProt]

## **Images**



HT1080

- 42

- 36

### ARG58657 anti-eRF1 antibody WB image

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