

ARG58612 anti-eRF1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes eRF1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Rb, Yeast, Zfsh
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	eRF1
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human eRF1. (within the following sequence: ISLIIPPKDQISRVAKMLADEFGTASNIKSRVNRLSVLGAITSVQQRLKL)
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

Predict Reactivity Note	Predicted homology based on immunogen sequence: Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 93%; Zebrafish: 100%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>1:100</td></tr> <tr> <td>WB</td><td>0.2 - 1 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	1:100	WB	0.2 - 1 µg/ml
Application	Dilution						
IHC-P	1:100						
WB	0.2 - 1 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	THP-1						

Properties

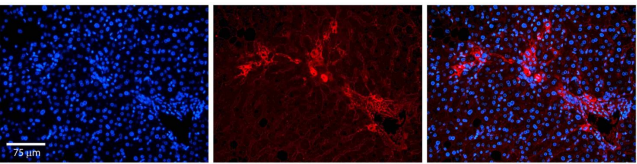
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml

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 or below. 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

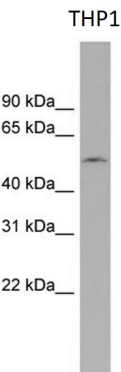
Gene Symbol	ETF1
Gene Full Name	eukaryotic translation termination factor 1
Background	This gene encodes a class-1 polypeptide chain release factor. The encoded protein plays an essential role in directing termination of mRNA translation from the termination codons UAA, UAG and UGA. This protein is a 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

Images



ARG58612 anti-eRF1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human liver stained with ARG58612 anti-eRF1 antibody (orange-red) at 1:100 dilution.



ARG58612 anti-eRF1 antibody WB image

Western blot: THP-1 cell lysate stained with ARG58612 anti-eRF1 antibody at 0.2 - 1 µg/ml dilution.