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Datasheet for ABIN1714530  
**anti-ETF1 antibody (AA 341-437)**

## Overview

Quantity:	100 µL
Target:	ETF1
Binding Specificity:	AA 341-437
Reactivity:	Xenopus laevis, Pufferfish
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ETF1 antibody is un-conjugated
Application:	ELISA, Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human eRF1
Isotype:	IgG
Cross-Reactivity:	Pufferfish, Xenopus laevis
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Zebrafish, Arabidopsis Thaliana
Purification:	Purified by Protein A.

## Target Details

Target:	ETF1
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## Target Details

Alternative Name: eRF1 ([ETF1 Products](#))

Background: Synonyms: Cl1 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 Cl1, RF1, Sup45 yeast omnipotent suppressor 45 homolog like 1, SUP45L1, TB3 1, TB3-1.

Background: Translation is carried out by the ribosome and several associated protein factors through three consecutive steps: initiation, elongation and termination. Termination of protein synthesis takes place when the ribosomal A site is occupied simultaneously by one of three stop codons and by a class 1 translation termination factor. In eukaryotes, this termination factor is the eukaryotic release factor 1 (eRF1), a protein that promotes hydrolysis of the last peptidyl-tRNA on the ribosome. eRF1 activity is stimulated by the association with the GTP-binding protein eRF3. eRF1 forms a quaternary complex with eRF3, GTP and the ribosome. This complex performs a dual role, where, in the GTP state,???????? it controls the positioning of eRF1 toward the stop codon and peptidyl-tRNA, and, in the GDP state,???????? it promotes the release of the eRFs from the ribosome. eRF1 contains a highly conserved Asn-Ile-Lys-Ser (NIKS) tetrapeptide, which is essential for the interaction of eRF1 with the ribosome. The gene encoding human eRF1 maps to chromosome 5q31.2.

Gene ID: 2107

## Application Details

Application Notes: ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200  
ICC 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

## Handling

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Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months