Datasheet for ABIN7602624

anti-ETF1 antibody (AA 9-342)

Go to Product page

Overview

Quantity:	100 µg
Target:	ETF1
Binding Specificity:	AA 9-342
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ETF1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-eRF1/ETF1 Picoband® Antibody
Immunogen:	E.coli-derived human eRF1/ETF1 recombinant protein (Position: D9-K342).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-eRF1/ETF1 Picoband® Antibody (ABIN7602624). Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ETF1
Alternative Name:	ETF1 (ETF1 Products)
Background:	Synonyms: Eukaryotic peptide chain release factor subunit 1, Eukaryotic release factor 1, Erf1, Protein Cl1, TB3-1, ETF1, ERF1, RF1, SUP45L1 Tissue Specificity: Mainly expressed in testis. Isoform 3 is expressed predominantly in adult testis, weakly in pancreas, embryonic testis and sperm, and at very low levels in other organs. Background: Eukaryotic translation termination factor 1 (eRF1), also known asTB3-1, is a protein that in humans is encoded by the ETF1 gene. It is mapped to 5q31.2. This gene encodes a class-1 polypeptide chain release factor. The encoded protein plays an essential role in ing 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.
Molecular Weight:	49 kDa
Gene ID:	2107
UniProt:	P62495

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat ELISA, 0.1-0.5 µg/mL, - 1. Frolova, L., Le Goff, X., Rasmussen, H. H., Cheperegin, S., Drugeon, G., Kress, M., Arman, I., Haenni, A.-L., Celis, J. E., Philippe, M., Justesen, J., Kisselev, L. A highly conserved eukaryotic protein family possessing properties of polypeptide chain release factor. Nature 372: 701-703, 1994. 2. Guenet, L., Henry, C., Toutain, B., Dubourg, C., Le Gall, J. Y., David, V., Le Treut, A. Eukaryotic translation termination factor gene (ETF1/eRF1) maps at D5S500 in a commonly deleted region of chromosome 5q31 in malignant myeloid diseases. Cytogenet. Cell Genet. 88: 82-86, 2000. 3. Hansen, L. L., Jakobsen, C. G., Justesen, J. Assignment of the human translation termination factor 1 (ETF1) to 5q31.1 and of the proximal marker D5S1995 by radiation hybrid mapping. Cytogenet. Cell Genet. 87: 256-257, 1999.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na_2HPO_4, 0.05 mg NaN_3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.