Datasheet for ABIN7602626

# anti-ETF1 antibody (AA 9-342)

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## Overview

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| Quantity: | 100 µg |
| Target: | ETF1 |
| Binding Specificity: | AA 9-342 |
| Reactivity: | Human, Mouse, Rat |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This ETF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-eRF1/ETF1 Antibody Picoband® (monoclonal, 3E5) |
| Immunogen: | E.coli-derived human eRF1/ETF1 recombinant protein (Position: D9-K342). |
| Clone: | 3 E5 |
| Isotype: | IgG2b |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins. |
| Characteristics: | Anti-eRF1/ETF1 Antibody Picoband® (monoclonal, 3E5) (ABIN7602626). Tested in Flow Cytometry, IF, IHC, ICC, 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. |

## Product Details

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| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | ETF1 |
| Alternative Name: | ETF1 (ETF1 Products) |
| Background: | Synonyms: AW546468 antibody, C80305 antibody, MGC18200 antibody, MGC4569 antibody, MGC54054 antibody, OTTHUMP00000147628 antibody, OTTHUMP00000229864 antibody, OTTHUMP00000229865 antibody, OTTHUMP00000229866 antibody, OTTHUMP00000229870 antibody, OTTHUMP00000229871 antibody, OTTHUMP00000229872 antibody, Placental ribonuclease inhibitor antibody, Placental RNase inhibitor antibody, PRI antibody, RAI antibody, RI antibody, Ribonuclease inhibitor antibody, Ribonuclease/angiogenin inhibitor 1 antibody, Ribonuclease/angiogenin inhibitor antibody, RINI_HUMAN antibody, RNase inhibitor antibody, RNH 1 antibody, RNH antibody, RNH1 antibody, Rnh1 ribonuclease/angiogenin inhibitor 1 antibody<br>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

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat<br>Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Human, Rat<br>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human, Mouse, Rat<br>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 |

## Application Details

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| | 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

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| 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 and 0.2 mg Na2HPO4. |
| 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. |