

DATASHEET

ANKZF1 Rabbit Polyclonal Antibody

CAT. NO. APA15067

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | ANKZF1 | Source / Host | Rabbit |
| Reactivity | Human, Mouse, Rat | Clonality | Polyclonal |
| Applications | WB | Conjugation | Unconjugated |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. | | Storage at -20°C |

BACKGROUND

Endonuclease that cleaves polypeptidyl-tRNAs downstream of the ribosome-associated quality control (RQC) pathway to release incompletely synthesized polypeptides for degradation pathway to release incompletely synthesized polypeptides for degradation. The RQC pathway disassembles aberrantly stalled translation complexes to recycle or degrade the constituent parts. ANKZF1 acts downstream disassembly of stalled ribosomes and specifically cleaves off the terminal 3'-CCA nucleotides universal to all tRNAs from polypeptidyl-tRNAs, releasing (1) ubiquitinated polypeptides from 60S ribosomal subunit for degradation and (2) cleaved tRNAs. ANKZF1-cleaved tRNAs are then repaired and recycled by ELAC1 and TRNT1.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|----|----------------|
| WB | 1:500 - 1:2000 |
|----|----------------|

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

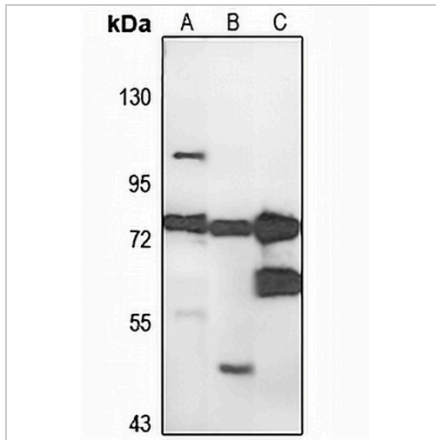
| | |
|-------------------|---|
| Description | Rabbit polyclonal antibody to ANKZF1 |
| Specificity | Recognizes endogenous levels of ANKZF1 protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human ANKZF1. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 80 kD; Observed: 78 kD |
| Form/Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | ZNF744; Ankyrin repeat and zinc finger domain-containing protein 1; Zinc finger protein 744 |
| Gene Symbol | ANKZF1 |
| Entrez Gene | 55139(Human); 52231(Mouse); 363255(Rat) |
| SwissProt | Q9H8Y5(Human); Q80UU1(Mouse); Q66H85(Rat) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of ANKZF1 expression in HT29 (A), mouse spleen (B), rat kidney (C) whole cell lysates. (Predicted band size: 80 kD; Observed band size: 78 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.