

ANKZF1 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10914**Specification****ANKZF1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	O9H8Y5
Other Accession	NM_018089 , NP_060559
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog
Predicted Host	Human, Rat, Pig, Horse
Clonality	Rabbit
Calculated MW	Polyclonal 81kDa kDa

ANKZF1 antibody - N-terminal region - Additional Information**Gene ID** 55139**Alias Symbol** **FLJ10415, FLJ13144, ZNF744****Other Names**

Ankyrin repeat and zinc finger domain-containing protein 1, Zinc finger protein 744, ANKZF1, ZNF744

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-ANKZF1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

ANKZF1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

ANKZF1 antibody - N-terminal region - Protein Information**Name** ANKZF1 {ECO:0000303|PubMed:21896481, ECO:0000312|HGNC:HGNC:25527}**Function**

Endonuclease that cleaves polypeptidyl-tRNAs downstream of the ribosome-associated quality control (RQC) pathway to release incompletely synthesized polypeptides for degradation (PubMed:30244831, PubMed:29632312, PubMed:31011209). The RQC pathway disassembles aberrantly stalled translation complexes to recycle or degrade the constituent parts (PubMed:30244831).

target="_blank">30244831, PubMed:29632312, PubMed:31011209). 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 (PubMed:31011209). ANKZF1-cleaved tRNAs are then repaired and recycled by ELAC1 and TRNT1 (PubMed:31011209, PubMed:32075755). Also plays a role in the cellular response to hydrogen peroxide and in the maintenance of mitochondrial integrity under conditions of cellular stress (PubMed:28302725).

Cellular Location

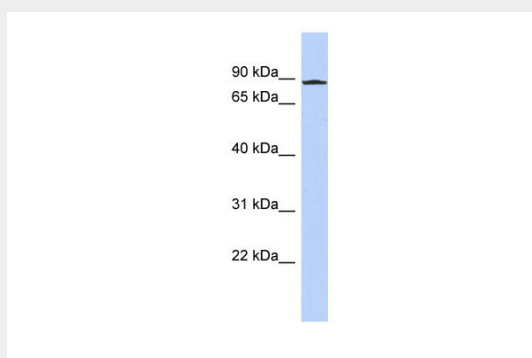
Cytoplasm. Note=Translocates to the mitochondria upon exposure to hydrogen peroxide.

ANKZF1 antibody - N-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ANKZF1 antibody - N-terminal region - Images



WB Suggested Anti-ANKZF1 Antibody Titration: 0.2-1 µg/ml

ELISA Titer: 1:312500

Positive Control: PANC1 cell lysate

ANKZF1 antibody - N-terminal region - References

Olsen,J.V., (2006) Cell 127 (3), 635-648 Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.