10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

(DANRE) znf143 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb18703c

Product Information

Application	WB, E
Primary Accession	Q1LYE3
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB46770
Calculated MW	67929

Additional Information

Gene ID	393954
Other Names	Zinc finger protein 143, Selenocysteine tRNA gene transcription-activating factor, znf143, staf
Target/Specificity	This (DANRE) znf143 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 564-596 amino acids of DANRE znf143.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(DANRE) znf143 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	znf143b {ECO:0000303|PubMed:31969120}
Function	Transcription factor that activates expression of genes transcribed by both RNA polymerases II and III, and which is required to safeguard mitochondrial activity. Specifically recognizes and binds the Staf-binding site (SBS), a consensus DNA-binding motif present in thousands of promoters. Activates the gene for selenocysteine tRNA (tRNAsec). Activates expression of small

	nuclear RNA (snRNA) transcribed by RNA polymerases II and III. Also activates expression of mRNAs and acts as a key regulator of cell proliferation and differentiation by specifically activating expression of a subset of nuclear-encoded mitochondrial genes, thereby controlling mitochondrial function.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:O70230}. Chromosome {ECO:0000250|UniProtKB:O70230}. Note=Localizes to chromatin {ECO:0000250|UniProtKB:O70230}

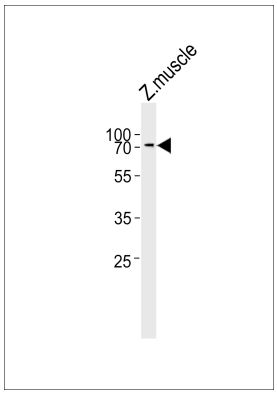
Background

Transcriptional activator. Activates the gene for selenocysteine tRNA (tRNAsec). Binds to the activator element (AE) motif of the selenocysteine tRNA gene promoter (By similarity).

References

Myslinski E.,et al.Gene 330:149-158(2004).
Howe K.,et al.Nature 496:498-503(2013).

Images



Western blot analysis of lysate from zebra fish muscle tissue lysate, using (DANRE) znf143 Antibody (C-term)(Cat. #Azb18703c). Azb18703c was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.