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(DANRE) srebf2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # Azb18706a

Product Information

Application	WB, E
Primary Accession	A3KNA7
Reactivity	Zebrafish
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB49773
Calculated MW	120321

Additional Information

Gene ID	100037309
Other Names	Sterol regulatory element-binding protein 2, SREBP-2, Sterol regulatory element-binding transcription factor 2, Processed sterol regulatory element-binding protein 2, srebf2 {ECO:0000250|UniProtKB:Q12772}
Target/Specificity	This (DANRE) srebf2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 441-473 amino acids of DANRE srebf2.
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) srebf2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	srebf2 {ECO:0000250|UniProtKB:Q12772}
Function	[Sterol regulatory element-binding protein 2]: Precursor of the transcription factor form (Processed sterol regulatory element- binding protein 2), which is embedded in the endoplasmic reticulum membrane. Low sterol concentrations promote processing of this form, releasing the transcription

factor form that translocates into the nucleus and activates transcription of genes involved in cholesterol biosynthesis.

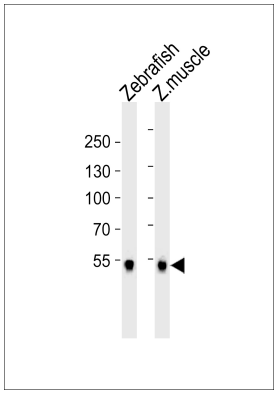
Cellular Location

[Sterol regulatory element-binding protein 2]: Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q12772}; Multi- pass membrane protein. Golgi apparatus membrane {ECO:0000250|UniProtKB:Q12772}; Multi-pass membrane protein. Cytoplasmic vesicle, COPII-coated vesicle membrane {ECO:0000250|UniProtKB:Q12772}; Multi-pass membrane protein. Note=At high sterol concentrations, the SCAP-SREBP is retained in the endoplasmic reticulum. Low sterol concentrations promote recruitment into COPII-coated vesicles and transport of the SCAP-SREBP to the Golgi, where it is processed {ECO:0000250|UniProtKB:Q12772}

Background

Transcriptional activator required for lipid homeostasis. May regulate transcription of the LDL receptor gene as well as the cholesterol and fatty acid synthesis pathways. Binds the sterol regulatory element 1 (SRE-1) (5'-ATCACCCCAC-3') found in the flanking region of the LDRL and HMG-CoA synthase genes (By similarity).

Images



Western blot analysis of lysates from Zebrafish and zebra fish muscle tissue lysate (from left to right), using (DANRE) srebf2 Antibody (Center)(Cat. #Azb18706a). Azb18706a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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