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Datasheet for ABIN1393426

anti-ZFH3 antibody (AA 301-400) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	ZFH3
Binding Specificity:	AA 301-400
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ZFH3 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ATBF1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Dog,Cow,Sheep,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ZFH3
Alternative Name:	ATBF1 (ZFH3 Products)

Target Details

Background:	<p>Synonyms: Alpha fetoprotein enhancer binding protein, AT binding transcription factor 1, AT motif binding factor, ATBT, ZFH3, ZFH3_HUMAN.</p> <p>Background: AT-motif binding factor 1 (ATBF1) binds to the AT-rich core sequence element in the human α-fetoprotein enhancer (1). Alternative splicing generates the ATBF1-A and ATBF1-B (2,3). While ATBF1-A contains a 920-amino acid extension at the N-terminus, both ATBF1-A and ATBF1-B contain 4 DNA-binding homeobox domains (2,3). Additionally, ATBF1-A contains 23 zinc finger motifs while ATBF1-B contains 18 zinc finger motifs (13). The N-terminal extension unique to ATBF1-A has transcriptional repressor activity (4). In the small intestine, ATBF1-A inhibits expression of the brushborder enzyme aminopeptidase-N through direct binding to the AT motif element (5). Besides functioning in transcription regulation, ATBF1 also functions in ATPase activity (6). ATPase activity associated with ATBF1-A is DNA/RNA-dependent and requires both homeobox domains and zinc finger motifs (6). ATBF1 is highly expressed in spleen and brain tissues (7). The gene encoding human ATBF1 maps to chromosome 16q22.3-q23.1 (8).</p>
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Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development
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Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 $\mu\text{g}/\mu\text{L}$
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months