Datasheet for ABIN1388924

anti-Bestrophin 2 antibody (AA 101-200) (FITC)

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Overview

Quantity:	100 µL
Target:	Bestrophin 2 (BEST2)
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bestrophin 2 antibody is conjugated to FITC
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Bestrophin 2
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Sheep,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Bestrophin 2 (BEST2)
Alternative Name:	Bestrophin 2 (BEST2 Products)
Background:	Synonyms: BEST 2, Best disease Bestrophin, BEST2, Bestrophin2, FLJ20132, Vitellorm macular

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Target Details

dystrophy 2 homolog, Vitellorm macular dystrophy 2 like 1, Vitellorm macular dystrophy 2 like protein 1, Vitellorm macular dystrophy, VMD2, VMD2 like gene 1, VMD2L1, BEST2_HUMAN. Background: The Bestrophins are a newly described family of anion channels unrelated in primary sequence to any previously characterized channel proteins. Bestrophins were originally defined as a family of over 20 related sequences of the C. elegans. The first mammalian Bestrophin was identified as the vitelliform macular dystrophy (VMD), 1 also known as Best disease. Three more members of the bestrophin family members were cloned and indentified recently, Bestrophin 2, 3 and 4. RT PCR analyses revealed tissue restricted expression of the three genes with both Bestrophin 1 and Bestrophin 2 are abundantly transcribed in colon. Functionally the bestrophines oligomerise to form tetramers and pentamers in order to act as calcium sensitive chloride channels. It has been shown that Bestrophin interacts with beta catalytic subunit of protein phosphatase 2A (PP2Ac). Such protein protein interaction between Bestrophin and PP2Ac and the structural subunit of PP2A, PR65, was confirmed by reciprocal immunoprecipitation. The interaction between PP2Ac and the Bestrophin takes place near the carboxy terminal end of the protein.

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 µg/µL
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

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