

For Research Use Only

Bestrophin-1 Polyclonal antibody

Catalog Number: 21910-1-AP **2 Publications**



Basic Information

Catalog Number: 21910-1-AP	GenBank Accession Number: BC015220	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 1000 µg/ml by Nanodrop and 507 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 7439	
Source: Rabbit	UNIPROT ID: O76090	
Isotype: IgG	Full Name: bestrophin 1	
Immunogen Catalog Number: AG15129	Calculated MW: 585 aa, 68 kDa	

Applications

Tested Applications:
ELISA

Cited Applications:
WB, IF

Species Specificity:
human

Cited Species:
human, rat

Background Information

Bestrophin-1 (BEST1) is a 68 kDa transmembrane protein which belongs to the bestrophin family of anion channels. It is predominantly expressed in the basolateral membrane of the retinal pigment epithelium. Studies show that bestrophin 1 functions as a Ca(2+)-dependent Cl(-) channel and modulator of voltage-dependent L-type Ca(2+) channels. It may also contribute to the basolateral cell conductance in airway epithelial cells. This protein is encoded by the VMD2 gene. Mutations in VMD2 can lead to different types of retinal or macular degenerations, including Best vitelliform macular dystrophy (BMD), autosomal recessive bestrophinopathy (ARB), autosomal dominant vitreoretinopathopathy (ADVIRC) and adult-onset vitelliform macular dystrophy (AVMD).

Notable Publications

Author	Pubmed ID	Journal	Application
Haibin Tian	36185374	iScience	IF
Kuo-Shun Hsu	31439888	Sci Rep	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data