

For Research Use Only

Bestrophin-1 Polyclonal ANTIBODY



Catalog Number: 55012-1-AP

Basic Information

Catalog Number:

55012-1-AP

Size:

150UL, Concentration: 300 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004183

GeneID (NCBI):

7439

Full Name:

bestrophin 1

Calculated MW:

69 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

ELISA

Species Specificity:

human

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 vitreoretinopathy (ADVIRC) and adult-onset vitelliform macular dystrophy (AVMD).

Storage

Storage:

Store at -20°C.

Storage Buffer:

0.1M NaHCO₃, 0.1M glycine, 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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