

For Research Use Only

# Bestrophin-1 Polyclonal antibody



Catalog Number: 21910-1-AP

1 Publications

## Basic Information

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

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
WB

**Species Specificity:**  
human

**Cited Species:**  
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<sup>2+</sup>-dependent Cl<sup>-</sup> channel and modulator of voltage-dependent L-type Ca<sup>2+</sup> 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
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

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)  
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## Selected Validation Data