

For Research Use Only

Bestrophin-1 Monoclonal antibody, PBS Only



Catalog Number: 60326-1-PBS

Basic Information

Catalog Number: 60326-1-PBS	GenBank Accession Number: BC015220	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 7439	CloneNo.: 4D5F1
Source: Mouse	UNIPROT ID: O76090	
Isotype: IgG1	Full Name: bestrophin 1	
Immunogen Catalog Number: AG15129	Calculated MW: 585 aa, 68 kDa	
	Observed MW: 68 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IF

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 Ca²⁺-dependent Cl⁻ channel and modulator of voltage-dependent L-type Ca²⁺ 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).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

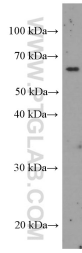
T: 4006900926

E: Proteintech-CN@ptglab.com

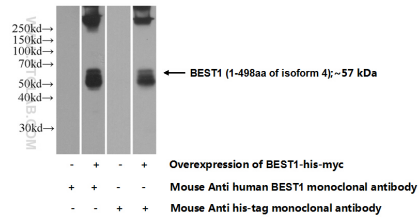
W: ptgcn.com

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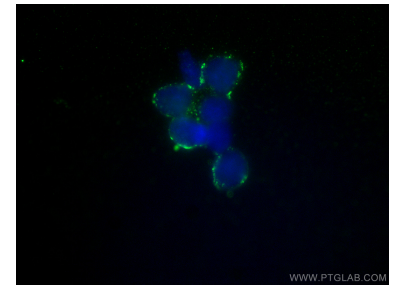
Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 60326-1-Ig (Bestrophin-1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 60326-1-PBS in a different storage buffer formulation.



WB result of Bestrophin-1 antibody (60326-1-Ig; 1:1000; room temperature for 1.5 hours) with negative control and Bestrophin-1 overexpressed Transfected HEK-293 cells. This data was developed using the same antibody clone with 60326-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Y79 cells using Bestrophin-1 antibody (60326-1-Ig, Clone: 4D5F1) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 60326-1-PBS in a different storage buffer formulation.