

For Research Use Only

Bestrophin-3 Polyclonal antibody

Catalog Number: 20443-1-AP

2 Publications



Basic Information

Catalog Number: 20443-1-AP	GenBank Accession Number: BC028087	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 144453	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: bestrophin 3	
Isotype: IgG	Calculated MW: 668 aa, 76 kDa	
Immunogen Catalog Number: AG14255	Observed MW: 76-78 kDa, 50-55 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : mouse colon tissue,
Species Specificity: human, mouse	IHC : human skeletal muscle tissue,
Cited Species: mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Bestrophin-3 (BEST3) is a member of the Bestrophin (VMD2) Ca²⁺-activated Cl channel gene family. Bestrophin-3 is involved in the regulation of cell proliferation, apoptosis and differentiation of a variety of physiological functions (PMID: 25329324). Human BEST3 gene is located at chromosome 12q15. The expression of BEST3 was predominantly observed in skeletal muscle and weaker in brain, spinal cord, bone marrow, retina, thymus, and testis (PMID: 12032738).

Notable Publications

Author	Pubmed ID	Journal	Application
Balázs Horváth	27189885	J Mol Cell Cardiol	WB
Lichang Wu	27265833	Sci Rep	WB

Storage

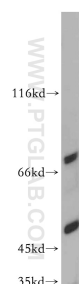
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

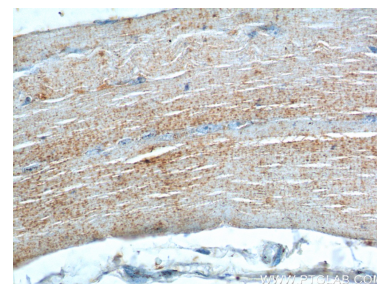
Selected Validation Data



mouse colon tissue were subjected to SDS PAGE followed by western blot with 20443-1-AP (Bestrophin-3 antibody) at dilution of 1:200 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20443-1-AP (Bestrophin-3 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skeletal muscle tissue slide using 20443-1-AP (Bestrophin-3 antibody at dilution of 1:200 (under 40x lens).