

For Research Use Only

# Bestrophin-3 Polyclonal antibody

Catalog Number: 20443-1-AP

2 Publications



## Basic Information

### Catalog Number:

20443-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14255

### GenBank Accession Number:

BC028087

### GeneID (NCBI):

144453

### UNIPROT ID:

Q8N1M1

### Full Name:

bestrophin 3

### Calculated MW:

668 aa, 76 kDa

### Observed MW:

76-78 kDa, 50-55 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse

### 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**

### Positive Controls:

WB : mouse colon tissue,

IHC : human skeletal muscle tissue,

## Background Information

Bestrophin-3 (BEST3) is a member of the Bestrophin (VMD2) Ca<sup>2+</sup>-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

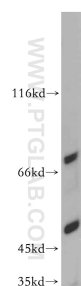
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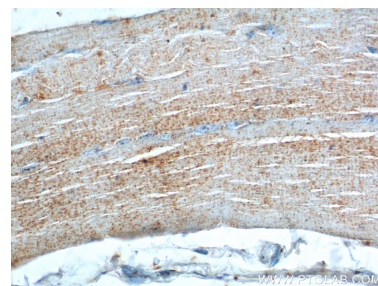
## Selected Validation Data



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).