

Bestrophin 3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54353

Specification

Bestrophin 3 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8N1M1
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	76 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Bestrophin 3
Epitope Specificity	45-92/668
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Belongs to the bestrophin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Bestrophin-3 is a 668 amino acid member of the Bestrophin family of proteins. Members of the Bestrophin family are transmembrane proteins that contain a high percentage of aromatic residues, a conserved RFP (arg-phe-pro) motif and they function as anion channels. Expressed predominantly in skeletal muscle but also found in spinal cord, brain, testis, thymus, retina and bone marrow, Bestrophin-3 forms calcium-sensitive chloride channels. In addition, Bestrophin-3 contains an AI (auto-inhibitory) domain that is capable of regulating the anion channel activity. Due to alternative splicing events, three isoforms exist for Bestrophin-3.

Bestrophin 3 Polyclonal Antibody - Additional Information

Gene ID 144453

Other Names

Bestrophin-3, Vitelliform macular dystrophy 2-like protein 3, BEST3, VMD2L3

Target/Specificity

Present in skeletal muscle and weakly in brain, spinal cord, bone marrow and retina.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \><span class =

=IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Bestrophin 3 Polyclonal Antibody - Protein Information

Name BEST3 ([HGNC:17105](#))

Function

Ligand-gated anion channel that allows the movement of chloride monoatomic anions across cell membranes when activated by calcium (Ca²⁺).

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Present in skeletal muscle and weakly in brain, spinal cord, bone marrow and retina.

Bestrophin 3 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Bestrophin 3 Polyclonal Antibody - Images