



## Rabbit Anti-Bestrophin 3 antibody

SL11042R

<b>Product Name:</b>	Bestrophin 3
<b>Chinese Name:</b>	卵黄状黄斑病蛋白3抗体
<b>Alias:</b>	Vitelliform macular dystrophy 2 like protein 3; BEST 3; BEST3; BEST3_HUMAN; Bestrophin-3; Bestrophin3; Vitelliform macular dystrophy 2 like 3; Vitelliform macular dystrophy 2-like protein 3; VMD2L3.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	76kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Bestrophin 3:45-92/668<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

Forms calcium-sensitive chloride channels. Permeable to bicarbonate.

**Subcellular Location:**

Cell membrane.

**Tissue Specificity:**

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

**Similarity:**

Belongs to the bestrophin family.

**SWISS:**

Q8N1M1

**Gene ID:**

144453

**Database links:**

[Entrez Gene: 144453](#)Human

[Entrez Gene: 382427](#)Mouse

[Entrez Gene: 314847](#)Rat

[Omim: 607337](#)Human

[SwissProt: Q8N1M1](#)Human

[SwissProt: Q6H1V1](#)Mouse

[Unigene: 280782](#)Human

[Unigene: 339322](#)Mouse

[Unigene: 162940](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.