



Rabbit Anti-Bestrophin 4 antibody

SL11043R

Product Name:	Bestrophin 4
Chinese Name:	卵黄状黄斑病蛋白4抗体
Alias:	BEST 4; BEST4; BEST-4; Bestrophin 4; Bestrophin4; Bestrophin-4; Vitelliform macular dystrophy 2 like 2; Vitelliform macular dystrophy 2 like protein 2; VMD2L2; BEST4 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=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.
Molecular weight:	53kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Bestrophin 4:151-250/473<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Bestrophin-4 is a 473 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. Bestrophin-4 acts as a calcium-sensitive chloride channel

located in the cell membrane. It is believed that Bestrophin-4 also acts as a channel for other physiologically significant anions, such as bicarbonate. Bestrophin-4 is predominantly expressed in the colon, but can be found at low levels in testis, placenta, trachea, spinal chord, lung and retina.

Function:

Forms calcium-sensitive chloride channels. Permeable to bicarbonate.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Predominantly found in colon and the weakly in fetal brain, spinal cord, retina, lung, trachea, testis and placenta.

Similarity:

Belongs to the bestrophin family.

SWISS:

Q9C0D5

Gene ID:

266675

Database links:

[Entrez Gene: 510542](#)Cow

[Entrez Gene: 482521](#)Dog

[Entrez Gene: 100052813](#)Horse

[Entrez Gene: 266675](#)Human

[Entrez Gene: 100345949](#)Rabbit

[Entrez Gene: 689103](#)Rat

[Omim: 607336](#)Human

[SwissProt: Q8NFU0](#)Human

[Unigene: 302513](#)Human

[Unigene: 84672](#)Rat

Important Note:

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

