

bs-11043R**[Primary Antibody]****BioSS**
ANTIBODIES

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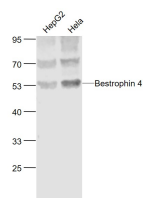
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Bestrophin 4 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse)
GeneID: 266675	SWISS: Q8NFU0	Predicted MW.: 53 kDa
Target: Bestrophin 4		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human Bestrophin 4: 151-250/473. < Extracellular >		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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.		

— VALIDATION IMAGES —

Sample: HepG2(Human) Cell Lysate at 30 ug
Hela(Human) Cell Lysate at 30 ug Primary: Anti-Bestrophin 4 (bs-11043R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD
Observed band size: 53 kD

— SELECTED CITATIONS —

- **[IF=9.4]** Aundrea K. Westfall. et al. Single-cell resolution of intestinal regeneration in pythons without crypts illuminates conserved vertebrate regenerative mechanisms. P NATL ACAD SCI USA. 2024 Oct;121(43):e2405463121 IHC ;Snake. 39423244