

---

## Bestrophin 4 Rabbit pAb

Catalog Number: bs-11043R

Target Protein: Bestrophin 4

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000)

Reactivity: Human (predicted:Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW: 53 kDa

Entrez Gene: 266675

Swiss Prot: Q8NFU0

Source: KLH conjugated synthetic peptide derived from human Bestrophin 4: 151-250/473.

Purification: affinity purified by Protein A

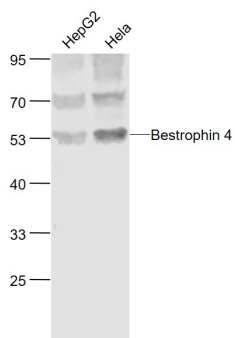
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

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

## PRODUCT SPECIFIC PUBLICATIONS

**[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