# antibodies .- online.com





## anti-Bestrophin 4 antibody (Internal Region)

3 I

**Images** 



Go to	D		
	Pron	ויאווו	mane

Overview	
Quantity:	50 μg
Target:	Bestrophin 4 (BEST4)
Binding Specificity:	Internal Region
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (IHC)
Product Details	
Brand:	IHC-plus <sup>™</sup>
Immunogen:	Synthetic 15 amino acid peptide from internal region of human BEST4. Percent identity with
	other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset (100%), Rabbit
	(93%), Hamster (87%), Pig (80%).
	Type of Immunogen: Synthetic peptide
Specificity:	Human BEST4. BLAST analysis of the peptide immunogen showed no homology with other
	human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey,
	Marmoset (100%) Rabbit (93%) Hamster (87%) Pig (80%).
Purification:	Immunoaffinity purified

#### **Target Details**

Target:	Bestrophin 4 (BEST4)
Alternative Name:	BEST4 (BEST4 Products)
Background:	Name/Gene ID: BEST4
	Subfamily: Bestrophin
	Family: lon channel
	Synonyms: BEST4, Bestrophin-4, Bestrophin 4, VMD2L2
Gene ID:	266675

### **Application Details**

Assay Procedure:	The IHC-pro Immunohistochemistry Protocol
Comment:	Target Species of Antibody: Human
Application Notes:	Approved: IHC, IHC-P (2.5 μg/mL)

Formalin fixation and embedding in paraffin wax

#### **Tissue Sectioning**

**Tissue Preparation** 

Make 4-µm sections and place on pre-cleaned and charged microscope slides.

Heat in a tissue-drying oven for 45 minutes at 60°C

Deparaffinization

Wash slides in 3 changes of xylene – 5 minutes each at room temperature.

#### Rehydration

Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature.

Wash slides in 2 changes of 95% alcohol - 3 minutes each at room temperature.

Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature.

Rinse slides in gentle running distilled water – 5 minutes at room temperature.

#### **Antigen retrieval**

Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Remove from heat and let stand at room temperature in buffer - 20 minutes

Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature.

#### **Immunostaining**

Do not allow tissues to dry at any time during the staining procedure.

Apply a universal protein block – 20 minutes at room temperature.

Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature.

Rinse slides 1X TBST – 1 minute at room temperature.

Apply alkaline phosphatase streptavidin – 30 minutes at room temperature.

Rinse slides in 1X TBST - 1 minute at room temperature.

Apply alkaline phosphatase chromogen substrate - 30 minutes at room temperature.

Wash slides in distilled water – 1 minute at room temperature.

#### **Dehydrate**

This method should only be used if the chromogen substrate is alcohol insoluble.

Wash slides in 2 changes of 80% alcohol - 1 minute each at room temperature.

Wash slides in 2 changes of 95% alcohol - 1 minute each at room temperature.

Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature.

Wash slides in 3 changes of xylene – 1 minute each at room temperature.

Apply coverslip

Restrictions:

For Research Use only

#### Handling

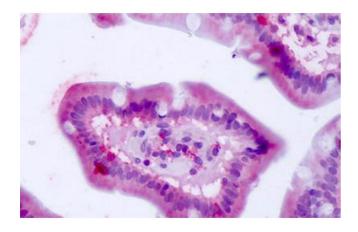
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for

up to 1 month. Avoid freeze-thaw cycles.

Expiry Date:

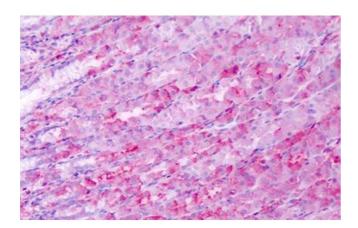
12 months

#### **Images**



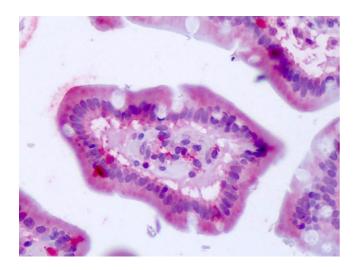
#### **Immunohistochemistry**

**Image 1.** Anti-BEST4 antibody IHC staining of human small intestine. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody ABIN1048355 dilution 41396 ug/ml.



#### **Immunohistochemistry**

**Image 2.** Anti-BEST4 antibody IHC staining of human stomach. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody ABIN1048355 dilution 41396 ug/ml.



#### **Immunohistochemistry**

**Image 3.** Anti-BEST4 antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffinembedded tissue after heat-induced antigen retrieval. Antibody dilution 2.5 ug/ml.