

# Product Datasheet

## Bestrophin 1 Antibody (E6-6) - Azide and BSA Free NBP2-80593

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-80593](http://www.novusbio.com/NBP2-80593)

Updated 9/9/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP2-80593](http://www.novusbio.com/reviews/destination/NBP2-80593)



**NBP2-80593**

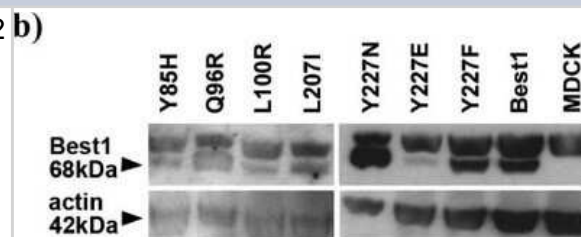
Bestrophin 1 Antibody (E6-6) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	E6-6
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse Bestrophin 1 Antibody (E6-6) - Azide and BSA Free (NB300-164) is a monoclonal antibody validated for use in IHC, WB, Dual RNAscope ISH-IHC, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7439
Gene Symbol	BEST1
Species	Human, Mouse, Porcine, Canine, Primate, Rat (Negative)
Reactivity Notes	Human, Primate, Porcine reactivity reported in scientific literature (PMID: 11050159).
Immunogen	Synthetic peptide conjugated to KLH corresponding to the C-terminus of human Bestrophin 1 (KDHMDPYWALENRDEAHS) [Uniprot: O76090]
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry reported in scientific literature (PMID 30048622), Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin reported in scientific literature (PMID 24345323), Immunohistochemistry-Frozen, Dual RNAscope ISH-IHC
Application Notes	In Western blot, this antibody recognizes a band at ~68 kDa representing Bestrophin. Please see protocol for treatment of cell extracts. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

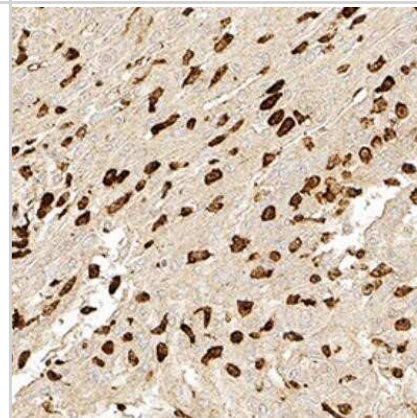


## Images

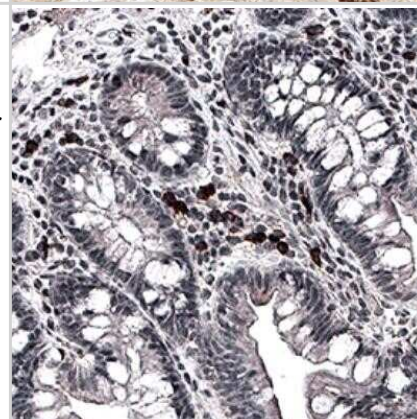
**Western Blot: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593]** - Western blot analysis of the normal and mutant human Best1 protein in transiently transfected MDCK cells. Best1 proteins are detectable as a 68 kDa band in all transfected cells, but not in non-transfected controls (MDCK lane). Actin bands are shown to indicate equal loading of cell lysates. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/1422-0067/14/7/15121>), licensed under a CC-BY license. Image from the standard format of this antibody.



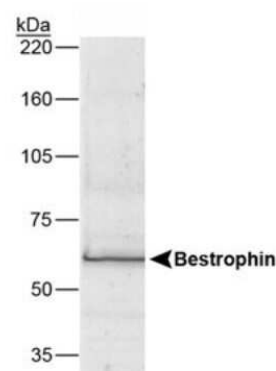
**Immunocytochemistry: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593]** - Bestrophin 1 was detected in immersion fixed paraffin-embedded sections of human brain using Mouse Anti-Human Bestrophin 1 (E6-6) Monoclonal Antibody (Catalog # NB300-164) at 1:300 for 1 hour at room temperature followed by incubation with the Anti-Mouse



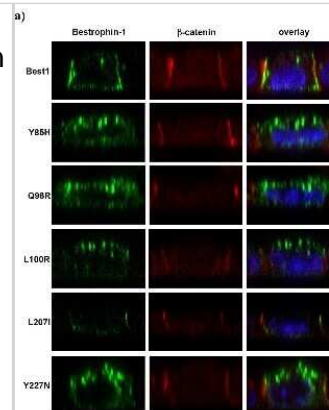
**Immunohistochemistry: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593]** - Bestrophin 1 was detected in immersion fixed paraffin sections of human small intestine using t Mouse Anti-Human Bestrophin 1 Monoclonal Antibody (Catalog # NB300-164) at 5 ug/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse Ig



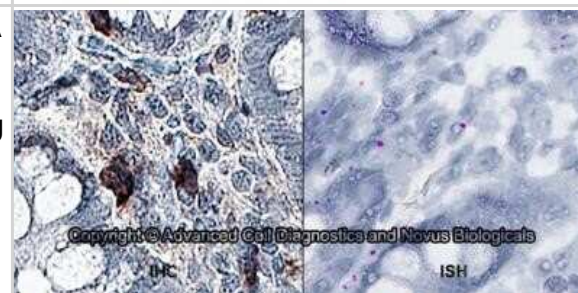
**Western Blot: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593]** - Detection of Bestrophin (68 kDa) from human RPE cell lysate. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - X-Z confocal single image scan of transiently transfected cells with different BEST1 cDNA constructs showing mislocalization of mutants Y85H, Q96R, L100R and Y227N. Cells were stained for Best1 (green), beta-catenin (red) and nuclei (blue). Scale bar = 10  $\mu$ m. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/1422-0067/14/7/15121>), licensed under a CC-BY license. Image from the standard format of this antibody.



Dual RNAscope ISH-IHC: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - Formalin-fixed paraffin-embedded tissue sections of human duodenum were probed for Bestrophin 1 mRNA (ACD RNAscope Probe, catalog # 433181; Fast Red chromogen, ACD catalog # 322360). Adjacent tissue section was processed for immunohistochemistry using mouse anti-human (Novus Biologicals catalog # NB300-164) at 0.3  $\mu$ g/mL with overnight incubation at 4 degrees Celsius followed by incubation with anti-mouse IgG VisUCyte HRP Polymer Antibody (Catalog # VC001) and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue). IHC signal is confined to cytoplasm. Image from the standard format of this antibody.





### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-80593**

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP2-53038-100ug	Recombinant Human Bestrophin 1 His Protein

---

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP2-80593](http://www.novusbio.com/reviews/submit/NBP2-80593)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

