

# 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.

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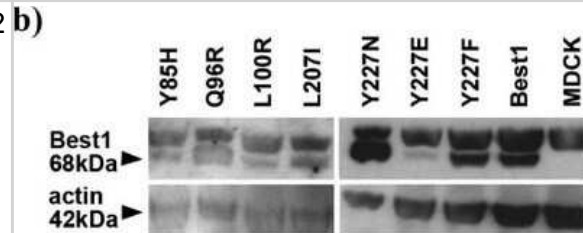


**NBP2-80593****Bestrophin 1 Antibody (E6-6) - Azide and BSA Free**

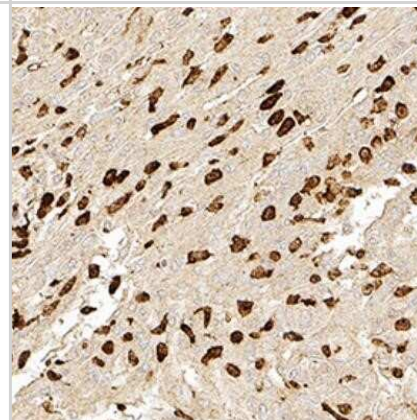
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	E6-6
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	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.
<b>Host</b>	Mouse
<b>Gene ID</b>	7439
<b>Gene Symbol</b>	BEST1
<b>Species</b>	Human, Mouse, Porcine, Canine, Primate, Rat (Negative)
<b>Reactivity Notes</b>	Human, Primate, Porcine reactivity reported in scientific literature (PMID: 11050159).
<b>Immunogen</b>	Synthetic peptide conjugated to KLH corresponding to the C-terminus of human Bestrophin 1 (KDHMDPYWALENRDEAHS) [Uniprot: O76090]
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, Dual RNAscope ISH-IHC
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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

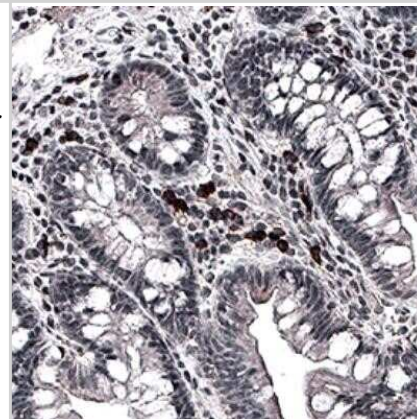
Western Blot: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - Western blot analysis of the normal and mutant human Best1 protein in transiently transfected MDCK cells. Best1 proteins are detectable as a 68 kDa band in all transfected cells, but not in non-transfected controls (MDCK lane). 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.



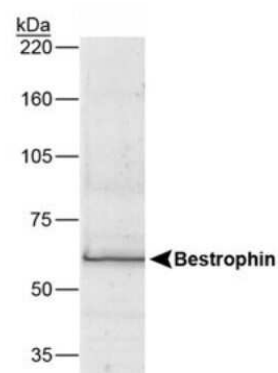
Immunocytochemistry: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - Bestrophin 1 was detected in immersion fixed paraffin-embedded sections of human brain using Mouse Anti-Human Bestrophin 1 (E6-6) Monoclonal Antibody (Catalog # NB300-164) at 1:300 for 1 hour at room temperature followed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



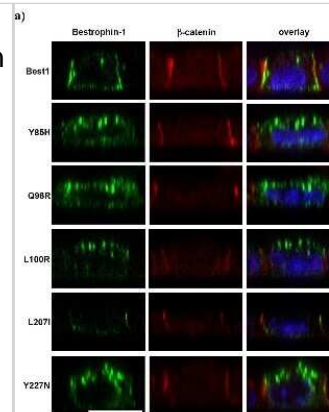
Immunohistochemistry: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - Bestrophin 1 was detected in immersion fixed paraffin sections of human small intestine using t Mouse Anti-Human Bestrophin 1 Monoclonal Antibody (Catalog # NB300-164) at 5 ug/mL for 1 hour at room temperature followed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



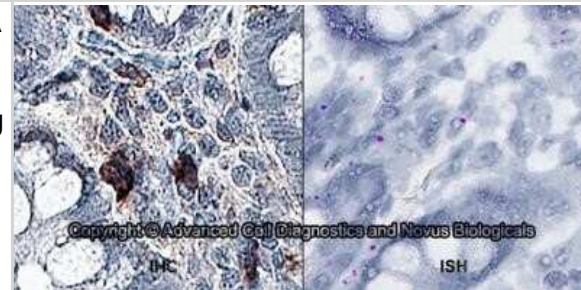
Western Blot: Bestrophin 1 Antibody (E6-6) - Azide and BSA Free [NBP2-80593] - Detection of Bestrophin (68 kDa) from human RPE cell lysate. Image from the standard format of this antibody.



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.





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

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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### **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.

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