BEST1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BEST1, Polyclonal Antibody
Full Product Name	Rabbit Anti Human BEST1 Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Western Blot, IHC)
Product Gene Name	anti-BEST1 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	It is a polyclonal antibody in a liquid format, buffered in PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Purity/Purification	Affinity Purified
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	57,349 Da
3D Structure	ModBase 3D Structure for O76090
Immunogen	A synthetic peptide of human BEST1 (NP_004174.1).
Applications Tested/Suitable for anti-BEST1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Related Product Information for anti-BEST1 antibody	This gene encodes a member of the bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Alternative splicing results in multiple variants encoding distinct isoforms. This product can be used in analytical tools such as Western Blot, IHC.
Other Notes	Small volumes of anti-BEST1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for BEST1 purchase	MBS8422776 is an antibody targeting BEST1. Also known as Rabbit Anti Human BEST1 Polyclonal Affinity Purified (PBS with 0.02% sodium azide, 50% glycerol, pH7.3)(Western Blot, IHC). Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BEST1. It may not necessarily be applicable to this product.

NCBI GI #	4759310
NCBI GeneID	7439
NCBI Accession #	NP_004174.1
UniProt Primary Accession #	O76090

UniProt Secondary Accession #	O75904; Q53YQ9; Q8IUR9; Q8IZ80; A8K0W6; B7Z3J8; B7Z736
UniProt Related Accession #	O76090
GenBank Nucleotide #	NM_004183.3
NCBI Official Full Name	bestrophin-1 isoform 1
NCBI Official Synonym Full Names	bestrophin 1
NCBI Official Symbol	BEST1
NCBI Official Synonym Symbols	ARB; BMD; BEST; RP50; VMD2; TU15B
Protein Family	Bestrophin
NCBI Protein Information	bestrophin-1
NCBI Summary for BEST1	This gene encodes a member of the bestrophin gene family. This small gene family is characterized by proteins with a highly conserved N-terminus with four to six transmembrane domains. Bestrophins may form chloride ion channels or may regulate voltage-gated L-type calcium-ion channels. Bestrophins are generally believed to form calcium-activated chloride-ion channels in epithelial cells but they have also been shown to be highly permeable to bicarbonate ion transport in retinal tissue. Mutations in this gene are responsible for juvenile-onset vitelliform macular dystrophy (VMD2), also known as Best macular dystrophy, in addition to adult-onset vitelliform macular dystrophy (AVMD) and other retinopathies. Alternative splicing results in multiple variants encoding distinct isoforms.[provided by RefSeq, Nov 2008]
Research Articles on BEST1	**1.** HEK293T cells transfected with the identified BEST1 mutant showed significantly small currents compared to those transfected with the wild-type gene, whereas cells cotransfected with mutant and wild-type BEST1 showed good chloride conductance
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