



Bestrophin-1 rabbit pAb

Cat No.:ES20817

For research use only

Overview

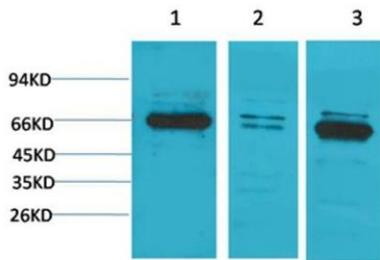
Product Name	Bestrophin-1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	Synthetic Peptide of Bestrophin-1 AA range: 161-211
Specificity	The antibody detects endogenous Bestrophin-1 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Bestrophin-1 (TU15B) (Vitelliform macular dystrophy protein 2)
Gene Name	BEST1
Cellular localization	Cell membrane ; Multi-pass membrane protein . Basolateral cell membrane .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	67kD
Human Gene ID	7439
Human Swiss-Prot Number	O76090
Alternative Names	Bestrophin-1 (TU15B;Vitelliform macular dystrophy protein 2)
Background	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],

Western blot analysis of 1) PC3, 2) Mouse Brain Tissue, 3) Rat Brain Tissue with Bestrophin-1 Rabbit pAb diluted at 1:2,000.



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Bestrophin-1 Rabbit pAb diluted at 1:200.

