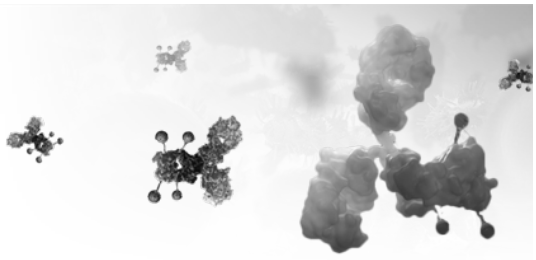

Mouse anti-Human BEST1 monoclonal antibody, clone F77 (CABT-B9850)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to human BEST1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	F77
Conjugate	Unconjugated
Applications	WB,IF
Sequence Similarities	KDHMDPYWALENRDEAHS
Format	Liquid
Size	100 µl
Buffer	In buffer containing 0.1% sodium azide
Storage	Store at -20°C or -80°C.

BACKGROUND

Introduction	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

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	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]
Keywords	BEST1; bestrophin 1; ARB; BMD; BEST; RP50; VMD2; TU15B; bestrophin-1; Best disease; Best1V1Delta2; vitelliform macular dystrophy protein 2;

GENE INFORMATION

Entrez Gene ID	7439
UniProt ID	O76090
Function	contributes_to chloride channel activity; ion channel activity

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