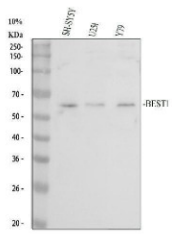
Bestrophin 1 Antibody / BEST1 (RQ4302)

Catalog No.	Formulation	Size
RQ4302	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O76090
Localization	Cell membrane
Applications	Western blot: 0.5-1ug/ml
Limitations	This Bestrophin 1 antibody is available for research use only.



Western blot analysis of BEST1 using Bestrophin 1 Antibody.

Description

Bestrophin-1 (Best1) is a protein that, in humans, is encoded by the BEST1 gene. 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.

Application Notes

Optimal dilution of the Bestrophin 1 antibody should be determined by the researcher.

Immunogen

Amino acids RFIYRLALTEEQQLMFEKLTLYCD were used as the immunogen for the Bestrophin 1 antibody.

Storage

After reconstitution, the Bestrophin 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Alternate Names

BEST1 antibody, Bestrophin-1 antibody, Bestrophin antibody, VMD2 antibody, Vitelliform Macular Dystrophy 2 antibody

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