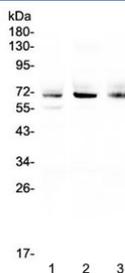


## Bestrophin 1 Antibody / BEST1 (RQ4302)

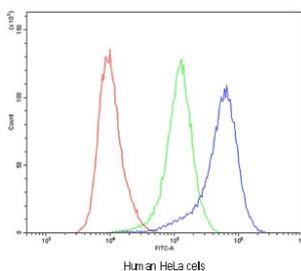
Catalog No.	Formulation	Size
RQ4302	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

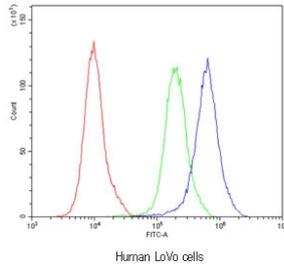
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	O76090
<b>Localization</b>	Cell membrane
<b>Applications</b>	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/10 <sup>6</sup> cells
<b>Limitations</b>	This Bestrophin 1 antibody is available for research use only.



Western blot testing of human 1) A549, 2) SGC-7901 and 3) U-2 OS cell lysate with Bestrophin 1 antibody at 0.5ug/ml. Predicted molecular weight ~68 kDa.



Flow cytometry testing of human HeLa cells with Bestrophin 1 antibody at 1ug/10<sup>6</sup> cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue=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 RFIYRLALTEEQLMFELKLTLYCD 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.