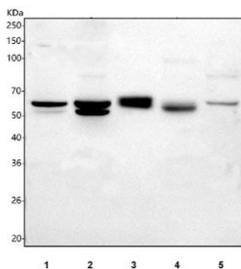


Best1 Antibody / Bestrophin 1 (RQ8699)

Catalog No.	Formulation	Size
RQ8699	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O88870
Applications	Western Blot : 1-2ug/ml ELISA : 0.1-0.5ug/ml
Limitations	This Best1 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat C6, 3) mouse eye, 4) mouse brain and 5) mouse Neuro-2a cell lysate with Best1 antibody. Predicted molecular weight ~64 kDa.

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 Best1 antibody should be determined by the researcher.

Immunogen

An E.coli-derived mouse recombinant protein (amino acids V9-E551) was used as the immunogen for the Best1 antibody.

Storage

After reconstitution, the Best1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.