CAB5735

## Product Information

## Size:

20uL, 50uL, 100uL, 200uL
Observed MW:

68 kDa
Calculated MW:
57kDa/67kDa/69kDa

## Applications:

## WB

Reactivity:
Human, Mouse

## Antibody Information

Recommended dilutions:
WB 1:500-1:2000

## Source:

Rabbit

## Isotype:

IgG

## Protein 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 chlorideion 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 juvenileonset 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.

## Immunogen information

## Gene ID:

7439

## Uniprot

076090

## Synonyms:

BEST1; ARB; BEST; BMD; RP50; TU15B; VMD2

## Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 376-585 of human BEST1 (NP_004174.1).

## Storage:

Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles. Buffer: PBS with $0.02 \%$ sodium azide, $50 \%$ glycerol, pH 7.3 .

## Purification:

Affinity purification


Western blot analysis of extracts of various cell lines, using BEST1 antibody (CAB5735) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABSO14) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: $3 \%$ nonfat dry milk in TBST.

