

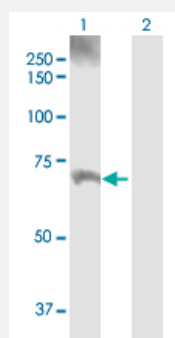
MaxPab®

VMD2 MaxPab mouse polyclonal antibody (B01)

Catalog # H00007439-B01

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of BEST1 expression in transfected 293T cell line ([H00007439-T01](#)) by BEST1 MaxPab polyclonal antibody.

Lane 1: VMD2 transfected lysate(66.44 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human VMD2 protein.

Immunogen

VMD2 (AAH41664.1, 1 a.a. ~ 604 a.a) full-length human protein.

Sequence

MFEKLTLYCDSYQLIPISFVLGFYVTLVVTRWWNQYENLPWPDRMLSLVSGFVEGKDEQGRLLRR
TLIRYANLGNVLILRSVSTAVYKRFPQAHLVQAGFMTPAEHKQLEKLSLPHNMFVWPWWVFANL
SMKAWLGGRIRDPILLQSLNEMNTLRTQCGHLYAYDWISIPLVYTQVVTAVYSFFLTCLVGRQFL
NPAKAYPGHELDLVVPVFTFLQFFFYVGWLKVAEQLINPFGEDDDDFETNWIVDRNLQVSLLAVD
EMHQDLPRMEPDMYWNKPEPQPPYAASAQFRRVSFMGSTFNISLNKEEMEFQPNQEDEEDA
HAGIGRFLGLQSHDHPPRANSRTKLLWPKRESLLHEGLPKNHKAAKQNVRGQEDNKAWKLKA
VDAFKSAPLYQRPGYYSAPQTPLSPTPMFFPLEPSAPSKLHSVTGIDTKDKSLKTVSSGAKKSFE
LLSESDGALMEHPEVSQVRRKTVFNL TDMPEIPENHLKEPLEQSPTNIHTTLKDHMDPYWALEN
RSVLHLNQGHCIALCPTPASLALSLPFLHNFLGFHHCQSTDLR PALAWGYLATFTGILGKCSGPF
LTSPWYHPEDFLGPGEGR

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

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[Protocol Download](#)

Gene Info — BEST1

Entrez GeneID [7439](#)

GeneBank Accession# [BC041664.1](#)

Protein Accession# [AAH41664.1](#)

Gene Name BEST1

Gene Alias ARB, BEST, BMD, TU15B, VMD2

Gene Description bestrophin 1

Omim ID [153700](#) [153870](#) [607854](#) [608161](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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.

Other Designations Best disease|vitelliform macular dystrophy protein 2

Publication Reference

- [Effects of alternative splicing on function of Bestrophin-1 calcium-activated chloride channels.](#)

Kuo YH, Abdullaev IF, Hyzinski-Garcia MC, Mongin AA.

The Biochemical Journal 2014 Mar; 458(3):575.

Application: WB, Human, HEK 293 cells

Disease

- [Macular Degeneration](#)
- [Retinal Diseases](#)