

Product datasheet

Anti-Bestrophin/BEST1 antibody ab155252

[2 Images](#)

Overview

Product name	Anti-Bestrophin/BEST1 antibody
Description	Rabbit polyclonal to Bestrophin/BEST1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human Bestrophin/BEST1 aa 356-585. Database link: O76090
Positive control	NT2D1, PC3 and U-87 MG whole cell lysates; Human U87 xenograft tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab155252 in the following tested applications.

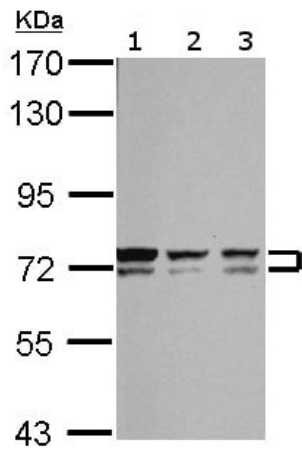
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 68 kDa.
IHC-P		1/100 - 1/1000.

Target

Function	Forms calcium-sensitive chloride channels. Highly permeable to bicarbonate.
Tissue specificity	Predominantly expressed in the basolateral membrane of the retinal pigment epithelium.
Involvement in disease	<p>Defects in BEST1 are the cause of vitelliform macular dystrophy type 2 (VMD2) [MIM:153700]; also known as Best macular dystrophy (BMD). VMD2 is an autosomal dominant form of macular degeneration that usually begins in childhood or adolescence. VMD2 is characterized by typical 'egg-yolk' macular lesions due to abnormal accumulation of lipofuscin within and beneath the retinal pigment epithelium cells. Progression of the disease leads to destruction of the retinal pigment epithelium and vision loss.</p> <p>Defects in BEST1 are the cause of retinitis pigmentosa type 50 (RP50) [MIM:613194]. A retinal dystrophy belonging to the group of pigmentary retinopathies. RP is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.</p> <p>Defects in BEST1 are a cause of adult-onset vitelliform macular dystrophy (AVMD) [MIM:608161]. AVMD is a rare autosomal dominant disorder with incomplete penetrance and highly variable expression. Patients usually become symptomatic in the fourth or fifth decade of life with a protracted disease of decreased visual acuity.</p> <p>Defects in BEST1 are the cause of bestrophinopathy autosomal recessive (ARB) [MIM:611809]. A retinopathy characterized by central visual loss, an absent electro-oculogram light rise, and a reduced electroretinogram.</p> <p>Defects in BEST1 are the cause of vitreoretinchoroidopathy autosomal dominant (ADVIRC) [MIM:193220]. A disorder characterized by vitreoretinchoroidal dystrophy. The clinical presentation is variable and may be associated with cataract, nanophthalmos, microcornea, shallow anterior chamber, and glaucoma.</p>
Sequence similarities	Belongs to the bestrophin family.
Post-translational modifications	Phosphorylated by PP2A.
Cellular localization	Cell membrane. Basolateral cell membrane.

Images



Western blot - Anti-Bestrophin/BEST1 antibody (ab155252)

All lanes : Anti-Bestrophin/BEST1 antibody (ab155252) at 1/1000 dilution

Lane 1 : NT2D1 whole cell lysate

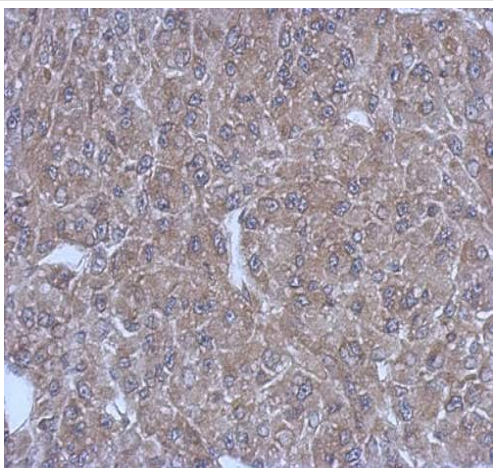
Lane 2 : PC3 whole cell lysate

Lane 3 : U-87 MG whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 68 kDa

7.5% SDS PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Bestrophin/BEST1 antibody (ab155252)

Immunohistochemical analysis of paraffin-embedded Human U87 xenograft tissue labeling Bestrophin/BEST1 with ab155252 at 1/500 dilution.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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