

Datasheet for ABIN7602635

anti-Bestrophin 1 antibody (AA 9-551)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Bestrophin 1 (BEST1)
Binding Specificity:	AA 9-551
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bestrophin 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Anti-Bestrophin-1/Best1 Antibody Picoband®
Immunogen:	E.coli-derived mouse Bestrophin-1/Best1 recombinant protein (Position: V9-E551). Mouse Best1 shares 64.3% amino acid (aa) sequence identity with human Best1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-Bestrophin-1/Best1 Antibody Picoband® (ABIN7601329). Tested in WB, ELISA applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Bestrophin 1 (BEST1)
Alternative Name:	Best1 (BEST1 Products)
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: 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.</p>
Molecular Weight:	56,60 kDa
Gene ID:	24115
UniProt:	O88870

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Allikmets, R., Seddon, J. M., Bernstein, P. S., Hutchinson, A., Atkinson, A., Sharma, S., Gerrard, B., Li, W., Metzker, M. L., Wadelius, C., Caskey, C. T., Dean, M., Petrukhin, K. Evaluation of the</p>
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Application Details

Best disease gene in patients with age-related macular degeneration and other maculopathies. Hum. Genet. 104: 449-453, 1999. 2. Bakall, B., Marknell, T., Ingvast, S., Koisti, M. J., Sandgren, O., Li, W., Bergen, A. A. B., Andreasson, S., Rosenberg, T., Petrukhin, K., Wadelius, C. The mutation spectrum of the bestrophin protein--functional implications. Hum. Genet. 104: 383-389, 1999. 3. Boon, C. J. F., Klevering, B. J., den Hollander, A. I., Zonneveld, M. N., Theelen, T., Cremers, F. P. M., Hoyng, C. B. Clinical and genetic heterogeneity in multifocal vitelliform dystrophy. Arch. Ophthalmol. 125: 1100-1106, 2007.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.