

Datasheet for ABIN7354625

anti-Bestrophin 1 antibody (DyLight 488)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Bestrophin 1 (BEST1)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Bestrophin 1 antibody is conjugated to DyLight 488
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence of human Bestrophin (RFIYRLALTEEQQLMFEKLTLYCD).
Sequence:	RFIYRLALTE EQQLMFEKLT LYCD
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG Polyclonal Anti-Human Bestrophin Antibody DyLight® 488 Conjugated, Flow Validated.

Target Details

Target:	Bestrophin 1 (BEST1)
Alternative Name:	BEST1 (BEST1 Products)
Background:	Synonyms: Bestrophin-1, TU15B, Vitelliform macular dystrophy protein 2, BEST1, VMD2 Tissue Specificity: Predominantly expressed in the basolateral membrane of the retinal pigment

Target Details

epithelium.

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.

UniProt: [O76090](#)

Application Details

Application Notes: Application Details: Flow Cytometry, 1-3 µg/1x10⁶ cells

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg NaN₃.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: At 2-8°C for one year. Protect from light. Do not freeze.