

Product datasheet

Anti-BVES antibody - C-terminal ab224374

2 Images

Overview

Product name	Anti-BVES antibody - C-terminal
Description	Rabbit polyclonal to BVES - C-terminal
Host species	Rabbit
Tested applications	Suitable for: IHC-P, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant fragment corresponding to Human BVES aa 264-360 (C terminal). Sequence:</p> <p>LNDPTLNDKKAKKLEHQLSLCTQISMLEMNRNSIASSSD SDDGLHQFLRGT SSMSSLHVSSPHQRASAKMKPIEEGAEDDDDDVFEP SPNTLKVHQLP</p> <p>Database link: Q8NE79</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	IHC-P: Human heart muscle tissue. ICC/IF: RH-30 cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS</p>
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab224374** in the following tested applications.

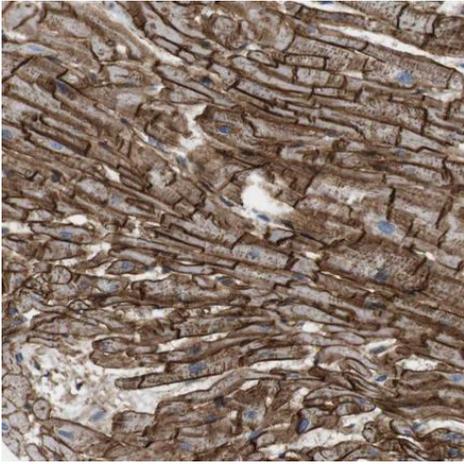
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 1 - 4 µg/ml. Fixation/Permeabilization: PFA/Triton X-100.

Target

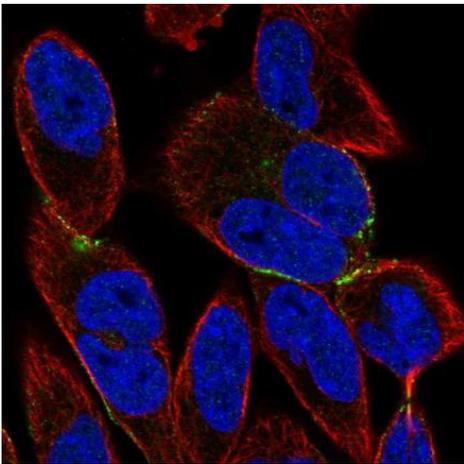
Function	Cell adhesion molecule involved in the establishment and/or maintenance of cell integrity. Involved in the formation and regulation of the tight junction (TJ) paracellular permeability barrier in epithelial cells. Plays a role in VAMP3-mediated vesicular transport and recycling of different receptor molecules through its interaction with VAMP3. Plays a role in the regulation of cell shape and movement by modulating the Rho-family GTPase activity through its interaction with ARHGEF25/GEFT. Induces primordial adhesive contact and aggregation of epithelial cells in a Ca(2+)-independent manner. Also involved in striated muscle regeneration and repair and in the regulation of cell spreading.
Tissue specificity	Expressed in epithelial cells (at protein level). Expressed in fetal and adult heart and skeletal muscle.
Sequence similarities	Belongs to the popeye family.
Cellular localization	Lateral cell membrane. Cell junction > tight junction. Membrane. Colocalizes with VAMP3 at the cell-cell contact in cardiac and skeletal muscle (By similarity). Its movement from the cytoplasm to membrane is an early event occurring concurrently with cell-cell contact. Colocalizes in epithelial cells with OCLN and TJP1 in an apical-lateral position within the z axis. Detected at cell-cell contact but never observed at the free surface of epithelial cells.

Images



Paraffin-embedded human heart tissue stained for BVES using ab224374 at 1/50 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BVES antibody - C-terminal (ab224374)



PFA-fixed, Triton X-100 permeabilized RH-30 cells stained for BVES (green) using ab224374 at 4 µg/ml in ICC/IF.

Immunocytochemistry/ Immunofluorescence - Anti-BVES antibody - C-terminal (ab224374)

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

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