

Rabbit anti-Human BVES Polyclonal Antibody | anti-BVES antibody

Anti-BVES Antibody, Rabbit Polyclonal

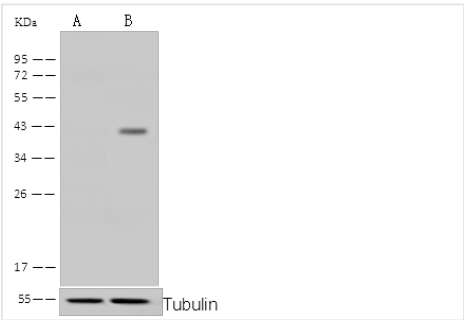
CATALOG # AAA254543	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

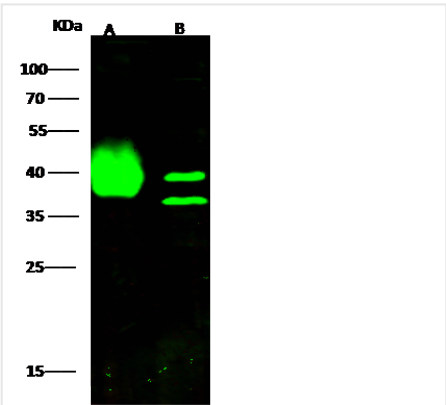
BVES; Polyclonal Antibody; Anti-BVES Antibody; Rabbit Polyclonal; BVES/POPDC1 Antibody; Rabbit PAb; Antigen Affinity Purified; blood vessel epicardial substance; Anti-CARICK Antibody; Anti-HBVES Antibody; Anti-LGMD2X Antibody; Anti-POP1 Antibody; Anti-POPDC1 Antibody; anti-BVES antibody

PRODUCT SPECIFICATIONS

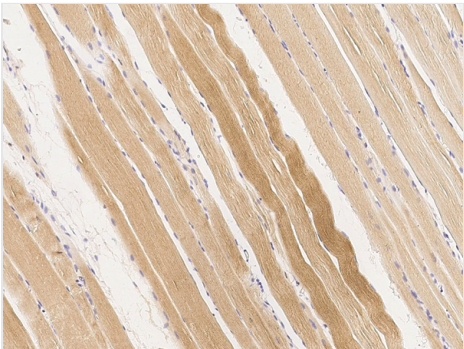
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human BVES/POPDC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-BVES antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Human BVES/POPDC1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human BVES/POPDC1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-BVES rabbit polyclonal antibody at 1:500 dilution Lane A: BVES konckout HeLa Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 10 ug per lane. Secondary Goat Anti- Rabbit & IgG H&L (Dylight 800) & at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 40 kDa (We are unsure as to the identity of these extra bands).



WB (Western Blot)
Anti-BVES rabbit polyclonal antibody at 1:500 dilution. Lane A: Mosue skeletal muscle tissue lysate Lane B: 293 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit & IgG H&L (Dylight 800) & at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 41 kDa Observed band size: 40 kDa (We are unsure as to the identity of these extra bands).



IHC (Immunohistochemistry)
Immunochemical staining of human BVES in human skeletal muscle with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-BVES antibody	Blood vessel epicardial substance (BVES), or POPDC1, is a tight junction-associated transmembrane protein that modulates epithelial-to-mesenchymal transition (EMT) via junctional signaling pathways. BVES plays a protective role both in ulcerative and infectious colitis and identify BVES as a critical protector of colonic mucosal integrity. The Popeye domain containing1, also called Bves (Popdc1/Bves), is a transmembrane protein that functions in muscle regeneration, heart rate regulation, hypoxia tolerance, and ischemia preconditioning. The expression of Popdc1/Bves is elevated in cardiomyocytes maintained in serum free defined medium. Popdc1/Bves plays a role in the preservation of cardiomyocyte viability under serum deficiency through the alteration of Rac1 activity and the regulation of Bnip3 expression by FoxO3 and NFkappaB transcription factors pointing to Popdc1/Bves as a potential target to enhance heart protection. Blood vessel epicardial substance (BVES) is a tight junction-associated protein that regulates epithelial-mesenchymal states and is underexpressed in epithelial malignancy. Loss of BVES promotes inflammatory tumourigenesis through dysregulation of Wnt signalling and the oncogene c-Myc. BVES promoter methylation status may serve as a CAC biomarker. Blood vessel epicardial substance (BVES/Popdc1) is a junctional-associated transmembrane protein that is underexpressed in a number of malignancies and regulates epithelial-to-mesenchymal transition. BVES is a key regulator of intestinal stem cell programs and mucosal homeostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38257661
NCBI GeneID	11149
UniProt Accession #	Q8NE79; Q5T550; Q5T551; Q8IWC6; Q9HBV0; Q9UNG6; A8K1R4; E1P5D8

Molecular Weight	360
NCBI Official Full Name	Blood vessel epicardial substance
NCBI Official Synonym Full Names	blood vessel epicardial substance
NCBI Official Symbol	BVES
NCBI Official Synonym Symbols	POP1; HBVES; POPDC1
NCBI Protein Information	blood vessel epicardial substance; popeye protein 1; popeye domain containing 1; popeye domain-containing protein 1
UniProt Protein Name	Blood vessel epicardial substance
UniProt Gene Name	BVES
UniProt Synonym Gene Names	POP1; POPDC1; hBVES; Popeye protein 1
UniProt Entry Name	POPD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/bves-antibody-immunohistochemistry-western-blot-elisa/254543>