

Rabbit anti-Human JAM-2/JAM-B Polyclonal Antibody | anti-JAM2 antibody

Anti-JAM-2/JAM-B Antibody, Rabbit Polyclonal

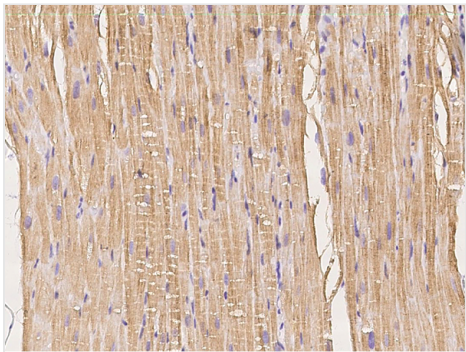
CATALOG # AAA254658	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

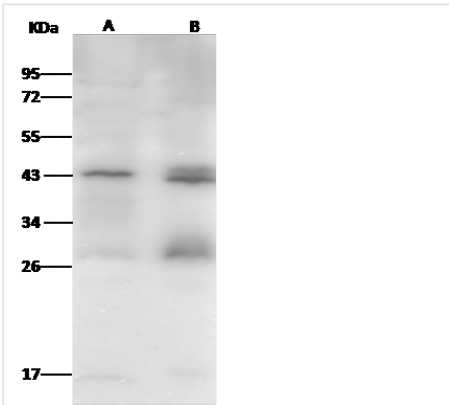
JAM-2/JAM-B; Polyclonal Antibody; Anti-JAM-2/JAM-B Antibody; Rabbit Polyclonal; Junctional Adhesion Molecule B/JAM2 Antibody; Rabbit PAb; Antigen Affinity Purified; junctional adhesion molecule 2; Anti-C21orf43 Antibody; Anti-CD322 Antibody; Anti-JAM-B Antibody; Anti-JAMB Antibody; Anti-PRO245 Antibody; Anti-VE-JAM Antibody; Anti-VEJAM Antibody; anti-JAM2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Junctional Adhesion Molecule B/JAM2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-JAM2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human Junctional Adhesion Molecule B/JAM2
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Junctional Adhesion Molecule B/JAM2, 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.



IHC (Immunohistochemistry)
Immunochemical staining of human JAM2 in cynomolgus heart with rabbit polyclonal antibody (1:5000, formalin-fixed paraffin embedded sections).



WB (Western Blot)
Anti-JAM2 rabbit polyclonal antibody at 1:500 dilution Lane A: A431 Whole Cell Lysate Lane B: HeLa Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 33 kDa Observed band size: 43 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-JAM2 antibody	Junctional adhesion molecule B (JAM-B), also known as Junctional adhesion molecule 2 (JAM2), Vascular endothelial junction-associated molecule (VE-JAM), and CD322, is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. It is prominently expressed on high endothelial venules. expression to be restricted to the high endothelial venule of tonsil and lymph nodes. The localization to the endothelium of arterioles in and around inflammatory and tumor foci. JAM-B can function as an adhesive ligand for the T cell line J45 and can interact with GM-CSF/IL-4-derived peripheral blood dendritic cells, circulating CD56(+) NK cells, circulating CD56(+)CD3(+) NK/T cells, and circulating CD56(+)CD3(+)CD8(+) cytolytic T cells. JAM-2 is expressed on high endothelial venules (HEVs) in human tonsil and on a subset of human leukocytes, suggesting that JAM-2 plays a central role in the regulation of transendothelial migration. It binds to very late activation antigen (VLA)-4, a leucocyte integrin that contributes to rolling and firm adhesion of lymphocytes to endothelial cells through binding to vascular cell adhesion molecule (VCAM)-1. JAM-B appears to contribute to leukocyte extravasation by facilitating not only transmigration but also rolling and adhesion. JAM-B acts as an adhesive ligand for interacting with a variety of immune cell types and may play a role in lymphocyte homing to secondary lymphoid organs.
References	Johnson-Lger CA, et al. (2002) Junctional adhesion molecule-2 (JAM-2) promotes lymphocyte transendothelial migration. Blood. 2100(7): 2479-86. Liang TW, et al. (2002) Vascular endothelial-junctional adhesion molecule (VE-JAM)/JAM 2 interacts with T, NK, and dendritic cells through JAM 3. J Immunol. 168(4): 1618-26. Ludwig RJ, et al. (2009) Junctional adhesion molecule (JAM)-B supports lymphocyte rolling and adhesion through interaction with alpha4beta1 integrin. Immunology. 128(2): 196-205.

NCBI AND UNIPROT INFORMATION

NCBI GI #	393715113
NCBI GeneID	58494
NCBI Accession #	NP_001257337.1
NCBI GenBank Nucleotide #	NM_001270408.1
UniProt Accession #	P57087; Q6UXG6; Q6YNC1; B2R6T9; B4DGT9
Molecular Weight	33,207 Da
NCBI Official Full Name	junctional adhesion molecule B isoform 3
NCBI Official Synonym Full Names	junctional adhesion molecule 2
NCBI Official Symbol	JAM2

NCBI Official Synonym Symbols	JAMB; CD322; JAM-B; VEJAM; PRO245; VE-JAM; C21orf43
NCBI Protein Information	junctional adhesion molecule B; JAM-2; JAM-IT/VE-JAM; vascular endothelial junction-associated molecule
UniProt Protein Name	Junctional adhesion molecule B
UniProt Gene Name	JAM2
UniProt Synonym Gene Names	C21orf43; VEJAM; JAM-B; JAM-2; VE-JAM
UniProt Entry Name	JAM2_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://stage.aaabiotech.com/polyclonal/jam-2-jam-b-antibody-immunohistochemistry-western-blot-elisa/254658>