

Rabbit anti-Human JAM-C Polyclonal Antibody | anti-JAM3 antibody

Anti-JAM-C Antibody, Rabbit Polyclonal

CATALOG # AAA256604	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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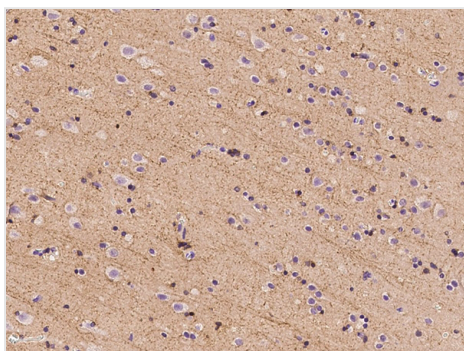
PRODUCT SYNONYMS

JAM-C; Polyclonal Antibody; Anti-JAM-C Antibody; Rabbit Polyclonal; JAM-C Antibody; Rabbit PAb; Antigen Affinity Purified; junctional adhesion molecule 3; Anti-JAM-2 Antibody; Anti-JAM-3 Antibody; Anti-JAMC Antibody; anti-JAM3 antibody

PRODUCT SPECIFICATIONS

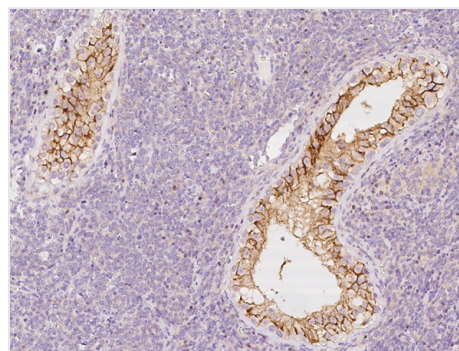
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human JAM-C
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-JAM3 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human JAM-C fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human JAM-C fragment, 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. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human JAM3 in human brain with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human JAM3 in human testis with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-JAM3 antibody	Junctional Adhesion Molecule C Protein & Antibody (JAM-C, JAM3 Protein) also known as Junctional adhesion molecule 3, JAM3, is a single-pass type I membrane protein that belongs to the immunoglobulin superfamily. It is an adhesion molecule expressed by endothelial cells (ECs) that plays a role in tight junction formation, leukocyte adhesion, and transendothelial migration. JAM-C is an adhesion molecule that is expressed on cells within the vascular compartment and epithelial cells and, to date, has been largely studied in the context of inflammatory events. JAM-C is also expressed in peripheral nerves and that this expression is localized to Schwann cells at junctions between adjoining myelin end loops. JAM-C is a component of the autotypic junctional attachments of Schwann cells and plays an important role in maintaining the integrity and function of myelinated peripheral nerves. JAM-C was recently shown to be a counter receptor for the leukocyte beta2-integrin Mac-1 (CD11b/CD18), thereby mediating interactions between vascular cells, particularly in inflammatory cell recruitment. JAM-C is up-regulated by oxidized low-density lipoprotein (LDL) and may thereby contribute to increased inflammatory cell recruitment during atherosclerosis. JAM-C may therefore provide a novel molecular target for antagonizing interactions between vascular cells in atherosclerosis. JAM-C was shown to undergo a heterophilic interaction with the leukocyte beta2 integrin Mac-1, thereby mediating interactions between vascular cells in inflammatory cell recruitment. JAM-C undergoes a homophilic interaction via the Arg64-Ile65-Glu66 motif on the membrane-distal Ig domain of the molecule. The homophilic interaction of JAM-C can mediate tumor cell-endothelial cell interactions and may thereby be involved in the process of tumor cell metastasis.
References	Keiper T, et al. (2005) The role of junctional adhesion molecule-C (JAM-C) in oxidized LDL-mediated leukocyte recruitment. FASEB J. 19(14): 2078-80.Santoso S, et al. (2005) The homophilic binding of junctional adhesion molecule-C mediates tumor cell-endothelial cell interactions. J Biol Chem. 280(43): 36326-33.Scheiermann C, et al. (2007) Expression and function of junctional adhesion molecule-C in myelinated peripheral nerves. Science. 318(5855): 1472-5.Mandicourt G, et al. (2007) JAM-C regulates tight junctions and integrin-mediated cell adhesion and migration. J Biol Chem. 282(3): 1830-7.Betanzos A, et al. (2009) Evidence for cross-reactivity of JAM-C antibodies: implications for cellular localization studies. Biol Cell. 101(8): 441-53.Rabquer BJ, et al. (2010) Junctional adhesion molecule-C is a soluble mediator of angiogenesis. J Immunol. 185(3): 1777-85.

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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