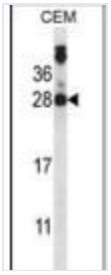
JAM2 Antibody – Rabbit Polyclonal

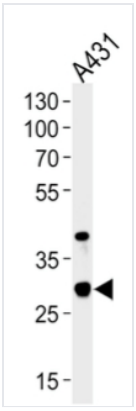
PRODUCT OVERVIEW

Product Name	JAM2, Polyclonal Antibody
Full Product Name	JAM2, NT (JAM2, C21orf43, VEJAM, Junctional adhesion molecule B, Junctional adhesion molecule 2, Vascular endothelial junction-associated molecule, CD322) (Azide free) (HRP)
Product Gene Name	anti-JAM2 antibody
Product Synonym Names	JAM2; C21orf43; VEJAM; Junctional adhesion molecule B; Junctional adhesion molecule 2; Vascular endothelial junction-associated molecule; CD322
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Horseradish Peroxidase (HRP).
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human JAM2.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	34,554 Da
OMIM	606870
3D Structure	ModBase 3D Structure for P57087
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 63-91 in the N-termional region of human JAM2, UniProt Accession #P57087.
Conjugate	HRP
Note	Preservative Free
Product Categories/Family for anti-JAM2 antibody	Antibodies; Connexin; Junction Proteins
Applications Tested/Suitable for anti-JAM2 antibody	Western Blot (WB), Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-JAM2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-JAM2 antibody	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. The protein encoded by this immunoglobulin superfamily gene member is localized in the tight junctions between high endothelial cells. It 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. [provided by RefSeq].
Product References and Citations for anti-JAM2 antibody	Need, A.C., et al. Hum. Mol. Genet. 18(23):4650-4661(2009)Ueki, T., et al. Microvasc. Res. 75(2):269-278(2008). Weber, C., et al. Nat. Rev. Immunol. 7(6):467-477(2007 Liu, T., et al. J. Proteome Res. 4(6):2070-2080(2005). Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004).

Other Notes	Small volumes of anti-JAM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for JAM2 purchase	MBS6311547 is an antibody targeting JAM2. Also known as JAM2, NT (JAM2, C21orf43, VEJAM, Junctional adhesion molecule B, Junctional adhesion molecule 2, Vascular endothelial junction-associated molecule, CD322) (Azide free) (HRP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-JAM2 antibody
Western Blot analysis of CEM cell line lysates (35ug/lane) usingMBS6007707. This demonstrates that MBS6007707 detected the JAM2 protein (arrow).



Western Blot (WB) of anti-JAM2 antibody
Western Blot analysis of lysate from A431 cell line (35ug(, using MBS6007707 (1:1000). A goat anti-rabbit IgG H&L(HRP) at 1:5,000 was used as the secondary antibody.



Immunohistochemistry (IHC) of anti-JAM2 antibody
Immunohistochemistry analysis of formalin fixed and paraffin embedded human placenta tissue using MBS6007707 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6007707 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for JAM2. It may not necessarily be applicable to this product.

NCBI GI #	10864029
NCBI GeneID	58494
NCBI Accession #	NP_067042.1
UniProt Primary Accession #	P57087
UniProt Secondary Accession #	Q6UXG6; Q6YNC1; B2R6T9; B4DGT9
UniProt Related Accession #	P57087
GenBank Nucleotide #	NM_021219.3
NCBI Official Full Name	junctional adhesion molecule B isoform 1
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

UniProt Protein Name	Junctional adhesion molecule B
UniProt Synonym Protein Names	Junctional adhesion molecule 2; JAM-2; Vascular endothelial junction-associated molecule
Protein Family	Junctional adhesion molecule
UniProt Gene Name	JAM2
UniProt Synonym Gene Names	C21orf43; VEJAM; JAM-B; JAM-2; VE-JAM
UniProt Entry Name	JAM2_HUMAN
NCBI Protein Information	junctional adhesion molecule B; JAM-2; JAM-IT/VE-JAM; vascular endothelial junction-associated molecule
NCBI Summary for JAM2	This gene belongs to the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. The protein encoded by this gene is a type I membrane protein that is localized at the tight junctions of both epithelial and endothelial cells. It 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2012]
UniProt Comments for JAM2	JAM2: May play a role in the processes of lymphocyte homing to secondary lymphoid organs. Belongs to the immunoglobulin superfamily. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 21q21.2 Cellular Component: tight junction; integral to plasma membrane; plasma membrane Molecular Function: protein binding; protein heterodimerization activity Biological Process: extracellular matrix organization and biogenesis; cell-cell adhesion; negative regulation of cell adhesion; blood coagulation; leukocyte migration
Research Articles on JAM2	**1.** These data brought new evidences for the role of JAM2 and JAM3 in progression of gastric adenocarcinoma
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