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JAM1 Antibody

Rabbit mAb
Catalog # AP90638

Product Information

Application	WB, IHC
Primary Accession	Q9Y624
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	F11R;CD321;JAM;JAM-1;JAM-A;JAM1;JAMA;JCAM;KAT;PAM-1;Junction adhesion molecule 1;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	32583

Additional Information

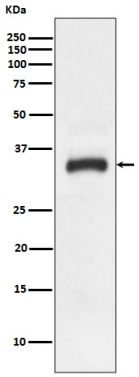
Dilution	WB 1:500~1:2000 IHC 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human JAM1
Description	Seems to plays a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier. Involved in platelet activation. In case of orthoreovirus infection, serves as receptor for the virus.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	F11R
Synonyms	JAM1, JCAM
Function	Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3 (PubMed:11489913). The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby preventing tight junction assembly (By similarity). Plays a role in regulating monocyte transmigration involved in integrity of epithelial barrier (By similarity). Ligand for integrin alpha-L/beta-2 involved in memory T- cell and neutrophil transmigration (PubMed:11812992). Involved in platelet activation (PubMed:10753840).

Cellular Location	Cell junction, tight junction. Cell membrane; Single-pass type I membrane protein. Note=Localized at tight junctions of both epithelial and endothelial cells.
Tissue Location	Expressed in endothelium, epithelium and leukocytes (at protein level).

Images



Western blot analysis of JAM1 expression in HeLa cell lysate.

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Immunohistochemical analysis of paraffin-embedded human blader cancer, using JAM1 Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.