

Rabbit F11R Polyclonal Antibody | anti-F11R antibody

F11R Antibody

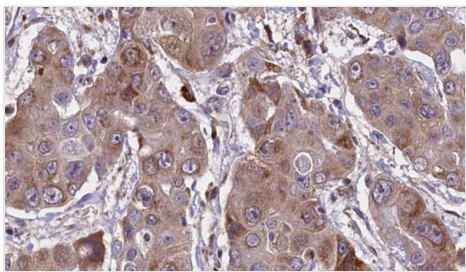
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326147	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

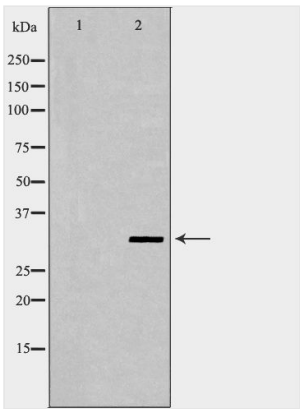
F11R; Polyclonal Antibody; F11R Antibody; CD 321; CD321; CD321 antigen; ESTM33; F11 receptor; JAM 1; JAM A; JAM; JAM-1; JAM-A; JAM1; JAM1_HUMAN; JAMA; JCAM; Jcam1; Junction adhesion molecule 1; Junction adhesion molecule; mouse; homolog of; Junctional adhesion molecule 1; Junctional adhesion molecule A; KAT; Ly106; PAM 1; PAM-1; PAM1; Platelet adhesion molecule 1; Platelet adhesion molecule; Platelet F11 receptor; PRO301; UNQ264; anti-F11R antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	F11R antibody detects endogenous levels of total F11R
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	250
Applicable Applications for anti-F11R antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human F11R
Subcellular Location	Cell Junction > Tight Junction. Cell Membrane. Localized at tight junctions of both epithelial and endothelial cells.
Tissue Specificity	Expressed in endothelium, epithelium and leukocytes (at protein level).
Predicted Cross Reactivity	Horse, Sheep, Rabbit, Dog
Similarity	Horse (82%), Sheep (91%), Rabbit (82%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemistry)
AAA326147 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of HeLa lysate using F11R antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-F11R antibody

Description: 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 an important regulator of tight junction assembly in epithelia. In addition, the encoded protein can act as (1) a receptor for reovirus, (2) a ligand for the integrin LFA1, involved in leukocyte transmigration, and (3) a platelet receptor. Multiple 5' alternatively spliced variants, encoding the same protein, have been identified but their biological validity has not been established. [provided by RefSeq, Jul 2008]

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).

Subunit Structure: Interacts with the ninth PDZ domain of MPDZ (PubMed:11489913). Interacts with the first PDZ domain of PARD3 (PubMed:11489913). The association between PARD3 and PARD6B probably disrupts this interaction (By similarity). Interacts with ITGAL (via I-domain) (PubMed:15528364).

Post-translational Modifications: N-glycosylated.

Similarity: The Ig-like V-type 2 domain is necessary and sufficient for interaction with integrin alpha-L/beta-2. Belongs to the immunoglobulin superfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1129371461
NCBI GeneID	50848
NCBI Accession #	NP_001335020.1
NCBI GenBank Nucleotide #	NM_001348091.1
UniProt Accession #	Q9Y624; B7Z941
Molecular Weight	Observed: 33 kDa Predicted: 33 kDa
NCBI Official Full Name	junctional adhesion molecule A isoform 6
NCBI Official Synonym Full Names	F11 receptor
NCBI Official Symbol	F11R
NCBI Official Synonym Symbols	JAM; KAT; JAM1; JAMA; JCAM; CD321; PAM-1

NCBI Protein Information	junctional adhesion molecule A
UniProt Protein Name	Junctional adhesion molecule A
UniProt Gene Name	F11R
UniProt Synonym Gene Names	JAM1; JCAM; JAM-A; JAM-1; PAM-1

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/f11r-antibody-immunohistochemistry-western-blot-elisa/326147>