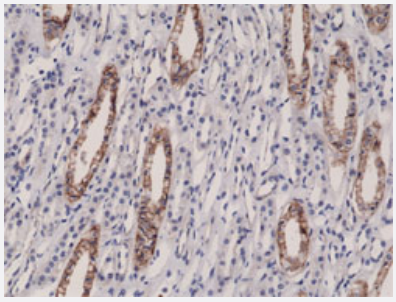
RecomAb™

F11R monoclonal antibody, clone RM275

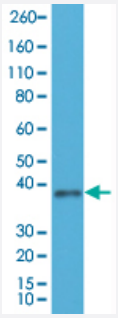
Catalog # MAB14922 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with F11R monoclonal antibody, clone RM275 (Cat # MAB14922).



Western Blot (Cell lysate)

Western Blot analysis of HEK293 cell lysate with F11R monoclonal antibody, clone RM275 (Cat # MAB14922).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against of human F11R.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to N-terminus of human F11R.
Sequence	N/A
Reactivity	Human
Form	Liquid

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Purification	Protein A purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2000-1:10000) Western Blotting (1:250-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (50% glycerol, 1% BSA, 0.09% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney with F11R monoclonal antibody, clone RM275 (Cat # MAB14922).

- Western Blot (Cell lysate)

  Western Blot analysis of HEK293 cell lysate with F11R monoclonal antibody, clone RM275 (Cat # MAB14922).

Gene Info — F11R

Entrez GeneID	50848
Protein Accession#	Q9Y624
Gene Name	F11R
Gene Alias	CD321, JAM, JAM-1, JAM-A, JAM1, JAMA, JCAM, KAT, PAM-1
Gene Description	F11 receptor
Omim ID	605721
Gene Ontology	Hyperlink

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Gene Summary	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
Other Designations	OTTHUMP00000027880|OTTHUMP00000027881|junctional adhesion molecule 1|junctional adhesion molecule A|platelet F11 receptor|platelet adhesion molecule

Publication Reference

- Human Epidermal Growth Factor Receptor-3 Expression Is Regulated at Transcriptional Level in Breast Cancer Settings by Junctional Adhesion Molecule-A via a Pathway Involving Beta-Catenin and FOXA1.

  Rodrigo G B Cruz, Stephen F Madden, Cathy E Richards, Sri HariKrishna Vellanki, Hanne Jahns, Lance Hudson, Joanna Fay, Naoimh O'Farrell, Katherine Sheehan, Karin Jirström, Kieran Brennan, Ann M Hopkins.

  Cancers 2021 Feb; 13(4):871.

  Application: IHC-P, Chicken, Human, Chick embryo xenografts, Human invasive breast carcinomas, Human tissue microarray, MCF-7 cells

Pathway

- Cell adhesion molecules (CAMs)
- Epithelial cell signaling in Helicobacter pylori infection
- Leukocyte transendothelial migration
- Tight junction

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema
- Hypertension
- Obesity

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