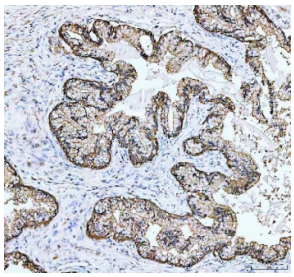
Junctional adhesion molecule A Antibody / JAM-A / F11R (RQ7077)

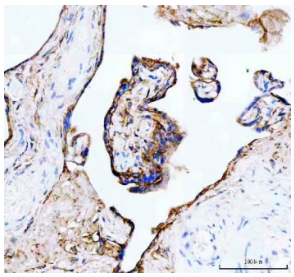
Catalog No.	Formulation	Size
RQ7077	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

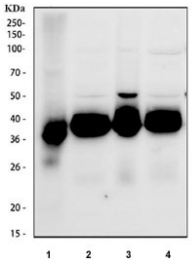
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y624
Localization	Cell membrane, cell junction
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This Junctional adhesion molecule A antibody is available for research use only.



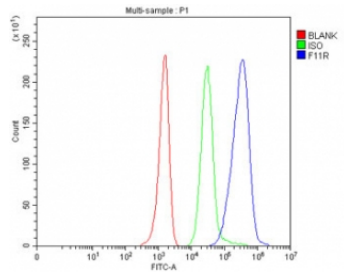
IHC staining of FFPE human prostate cancer tissue with Junctional adhesion molecule A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



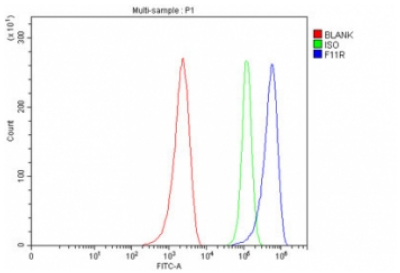
IHC staining of FFPE human placental tissue with Junctional adhesion molecule A antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HaCaT, 2) T-47D, 3) A431 and 4) RT4 cell lysate with Junctional adhesion molecule A antibody. Expected molecular weight: 35~43 kDa depending on glycosylation level.



Flow cytometry testing of human A2780 cells with Junctional adhesion molecule A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Junctional adhesion molecule A antibody.



Flow cytometry testing of human MCF7 cells with Junctional adhesion molecule A antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Junctional adhesion molecule A antibody.

Description

Junctional adhesion molecule A is a protein that in humans is encoded by the F11R gene. 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.

Application Notes

Optimal dilution of the Junctional adhesion molecule A antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids S28-T294) was used as the immunogen for the Junctional adhesion molecule A antibody.

Storage

After reconstitution, the Junctional adhesion molecule A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.