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F11R Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant F11R.
Catalog # AT1974a

Specification

F11R Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q9Y624
Other Accession	BC001533
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**32583**

F11R Antibody (monoclonal) (M01) - Additional Information

Gene ID 50848

Other Names
Junctional adhesion molecule A, JAM-A, Junctional adhesion molecule 1, JAM-1, Platelet F11 receptor, Platelet adhesion molecule 1, PAM-1, CD321, F11R, JAM1, JCAM

Target/Specificity
F11R (AAH01533, 1 a.a. ~ 299 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000
IHC~~1:100~500
E~~N/A

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
F11R Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

F11R Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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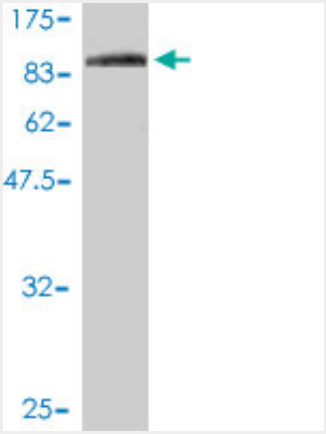
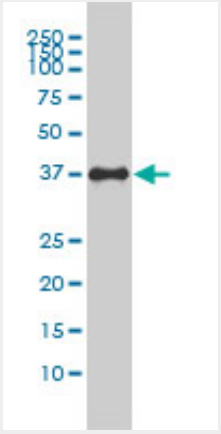
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

F11R Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (58.63 KDa) .



F11R monoclonal antibody (M01), clone 2E3-1C8 Western Blot analysis of F11R expression in HepG2 ((Cat # AT1974a)

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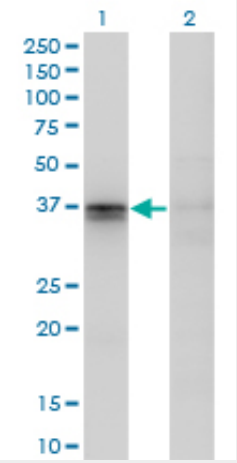
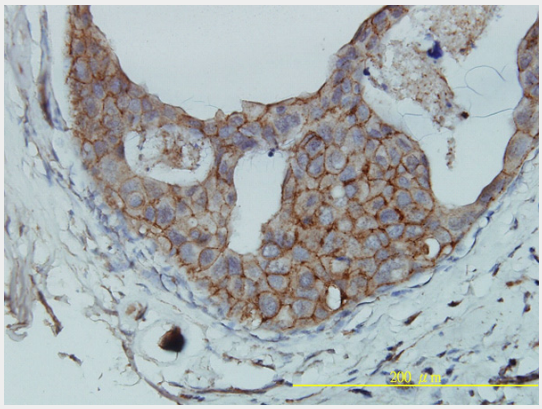
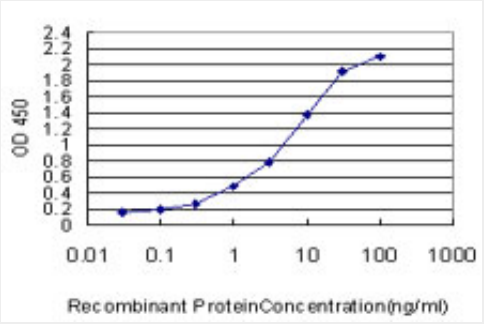


Western Blot analysis of F11R expression in transfected 293T cell line by F11R monoclonal antibody (M01), clone 2E3-1C8.

Lane 1: F11R transfected lysate (Predicted MW: 32.6 KDa).
Lane 2: Non-transfected lysate.



Immunoperoxidase of monoclonal antibody to F11R on formalin-fixed paraffin-embedded human breast cancer tissue. [antibody concentration 1 ug/ml]



Detection limit for recombinant GST tagged F11R is approximately 0.1ng/ml as a capture antibody.

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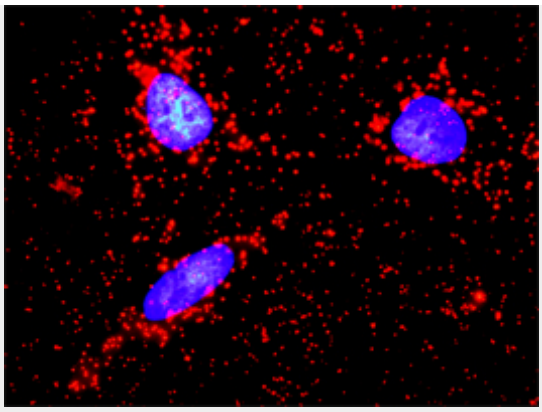

Proximity Ligation Analysis of protein-protein interactions between PRKCZ and F11R. HeLa cells were stained with anti-PRKCZ rabbit purified polyclonal 1:1200 and anti-F11R mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

F11R Antibody (monoclonal) (M01) - Background

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.

F11R Antibody (monoclonal) (M01) - References

1.Low JAM-A expression correlates with poor prognosis in gastric cancer.Huang JY, Xu YY, Sun Z, Wang ZN, Zhu Z, Song YX, Luo Y, Zhang X, Xu HM.Journal of Surgical Research (2014), doi: 10.1016/j.jss.2014.06.025.2.Low Expression of Junctional Adhesion Molecule A Is Associated with Metastasis and Poor Survival in Pancreatic Cancer.Fong D, Spizzo G, Mitterer M, Seeber A, Steurer M, Gastl G, Brosch I, Moser P.Ann Surg Oncol. 2012 May 2.3.JAM-A expression positively correlates with poor prognosis in breast cancer patients.McSherry EA, McGee SF, Jirstrom K, Doyle EM, Brennan DJ, Landberg G, Dervan PA, Hopkins AM, Gallagher WM.Int J Cancer. 2009 Sep 15;125(6):1343-51.4.Downregulation of junctional adhesion molecule-A is involved in the progression of clear cell renal cell carcinoma.Gutwein P, Schramme A, Voss B, Abdel-Bakky MS, Doberstein K, Ludwig A, Altevogt P, Hansmann ML, Moch H, Kristiansen G, Pfeilschifter J.Biochem Biophys Res Commun. 2009 Mar 6;380(2):387-91. Epub 2009 Jan 23.