Anti-Junctional Adhesion Molecule 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R013286

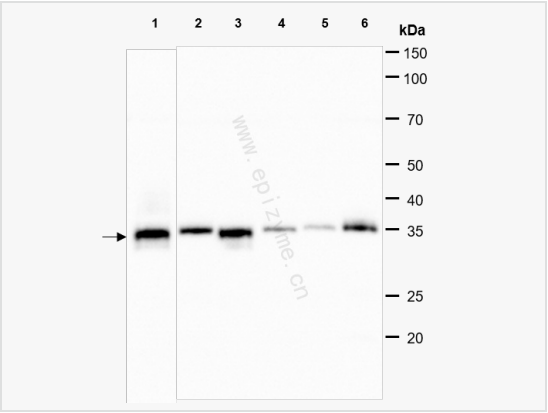
Product Information

Application	ELISA, WB, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100
Host	Rabbit
Clonality	Monoclonal
Clone No.	15M18L48
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Junctional Adhesion Molecule 1/JAM-A
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Junctional Adhesion Molecule 1 Rabbit mAb [15M18L48] is for research use only and not for use in diagnostic or therapeutic procedures.

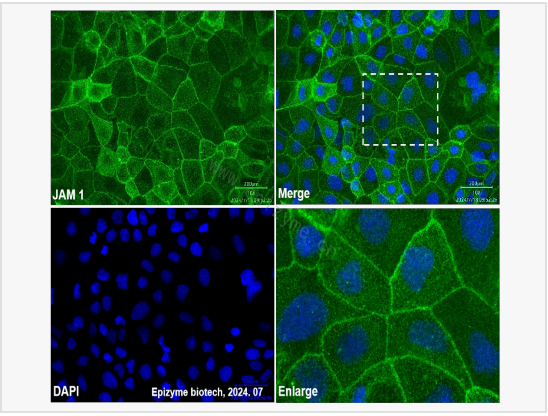
Protein Information

Synonyms	F11R, JAM1, JCAM, Junctional adhesion molecule A, JAM-A, Junctional adhesion molecule 1, JAM-1, Platelet F11 receptor, Platelet adhesion molecule 1, PAM-1, CD321.
Calculated MW	Calculated MW: 32 kDa; Observed MW: 35 kDa
Uniprot ID	Q9Y624
Gene ID	50848
Background	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.

Validation Images



Western Blot - Anti-Junctional Adhesion Molecule 1 Rabbit mAb [15M18L48]
All lanes: R013286 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2 :HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 4: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Lane 6: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 32 kDa
Observed band size: 35 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Junctional Adhesion Molecule 1 Rabbit mAb [15M18L48]
Sample: A431 cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R013286 at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green)
Nuclei were stained with DAPI (shown in blue).