

Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] ab52647

敲除验证
重组
RabMAb

★★★★★
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概述

产品名称	Anti-Junctional Adhesion Molecule 1/JAM-A抗体[EP1042Y]
描述	兔单克隆抗体[EP1042Y] to Junctional Adhesion Molecule 1/JAM-A
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide within Human Junctional Adhesion Molecule 1/JAM-A aa 1-100. The exact sequence is proprietary.
阳性对照	Hela cell lysate and human liver tissue.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.21% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号

EP1042Y

同种型

IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab52647于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (3)	1/1000 - 1/10000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).
IHC-P		1/100 - 1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

应用说明

Is unsuitable for ICC/IF.

靶标

功能

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.

序列相似性

Belongs to the immunoglobulin superfamily. Contains 2 Ig-like V-type (immunoglobulin-like) domains.

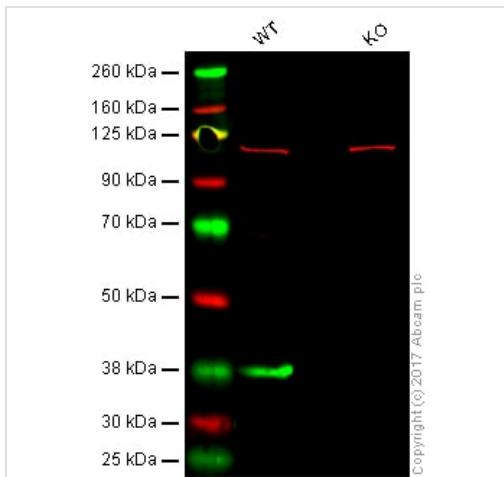
翻译后修饰

N-glycosylated.

细胞定位

Cell junction > tight junction. Cell membrane. Localized at tight junctions of both epithelial and endothelial cells.

图片



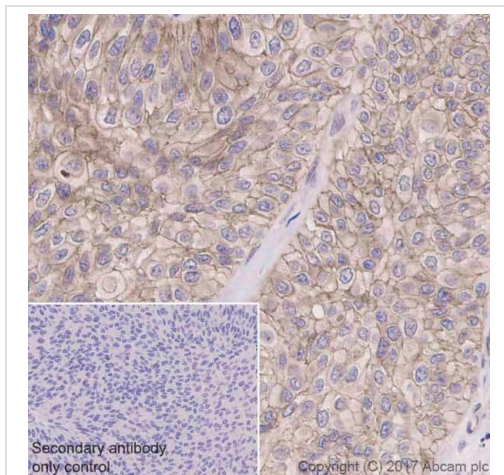
Western blot - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

Lane 1: Wild-type HAP1 whole cell lysate (40 µg)

Lane 2: Junctional Adhesion Molecule 1/JAM-A knockout HAP1 whole cell lysate (40 µg)

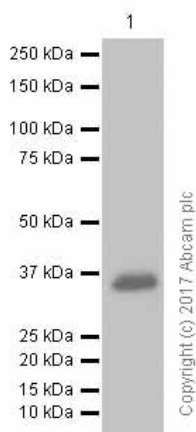
Lanes 1 - 2: Merged signal (red and green). Green - ab52647 observed at 32 kDa. Red - loading control, **ab18058**, observed at 130 kDa.

ab52647 was shown to specifically react with Junctional Adhesion Molecule 1/JAM-A in wild-type HAP1 cells as signal was lost in Junctional Adhesion Molecule 1 knockout cells. Wild-type and Junctional Adhesion Molecule 1/JAM-A knockout samples were subjected to SDS-PAGE. ab52647 and **ab18058** (Mouse anti-Vinculin loading control) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human bladder carcinoma tissue sections labeling Junctional Adhesion Molecule 1/JAM-A with Purified ab52647 at 1:100 dilution (6.15 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Western blot - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

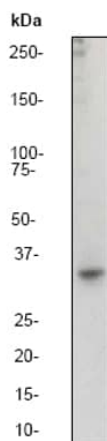
Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647) at 1/1000 dilution (purified) + TF-1 (Human Erythroleukemia erythroblast) whole cell lysates at 15 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 33 kDa

Blocking and diluting buffer: 5% NFDM/TBST



Western blot - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

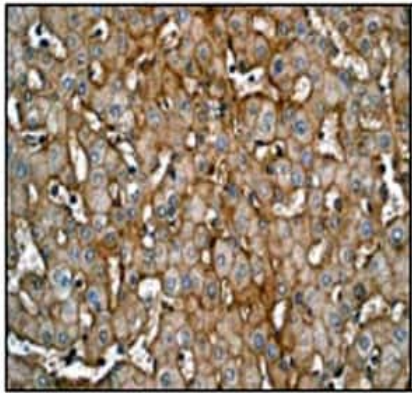
Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647) at 1/2000 dilution (unpurified) + Hela cell lysate at 10 µg

Secondary

Goat anti-rabbit HRP labeled at 1/2000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa



Immunohistochemical staining of paraffin-embedded human liver using unpurified ab52647 at a 1/100 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] (ab52647)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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