

Product datasheet

# Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] - BSA and Azide free ab232338

**KO VALIDATED** Recombinant RabMAB

2 Images

Overview

<b>Product name</b>	Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EP1042Y] to Junctional Adhesion Molecule 1/JAM-A - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide within Human Junctional Adhesion Molecule 1/JAM-A aa 1-100 (N terminal). The exact sequence is proprietary. Database link: <a href="#">Q9Y624</a>
<b>Positive control</b>	WB: HAP1 whole cell lysate.
<b>General notes</b>	Ab232338 is the carrier-free version of <a href="#">ab52647</a> . This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.

Our [carrier-free formats](#) are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.

Use our [conjugation kits](#) for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

ab232338 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm.

*Maxpar® is a trademark of Fluidigm Canada Inc.*

Our RabMAB® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMab® patents](#).

This product is a [recombinant rabbit monoclonal antibody](#).

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.

<b>Storage buffer</b>	Constituent: PBS
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EP1042Y
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab232338** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).

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## Target

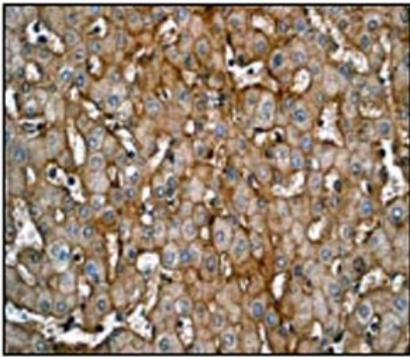
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<b>Function</b>	Seems to play a role in epithelial tight junction formation. Appears early in primordial forms of cell junctions and recruits PARD3. The association of the PARD6-PARD3 complex may prevent the interaction of PARD3 with JAM1, thereby 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.
<b>Sequence similarities</b>	Belongs to the immunoglobulin superfamily. Contains 2 Ig-like V-type (immunoglobulin-like) domains.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Cell junction > tight junction. Cell membrane. Localized at tight junctions of both epithelial and endothelial cells.

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## Images

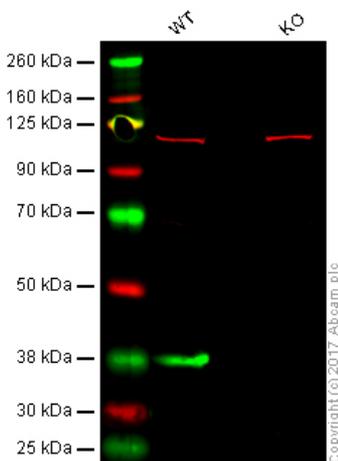
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] - BSA and Azide free (ab232338)

Immunohistochemical staining of paraffin-embedded human liver using unpurified [ab52647](#) at a 1/100 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab52647](#)).



Western blot - Anti-Junctional Adhesion Molecule 1/JAM-A antibody [EP1042Y] - BSA and Azide free (ab232338)

**Lane 1:** Wild-type HAP1 whole cell lysate (40  $\mu$ g)

**Lane 2:** Junctional Adhesion Molecule 1/JAM-A knockout HAP1 whole cell lysate (40  $\mu$ g)

**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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and

sodium azide ([ab52647](#)).

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

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