

Product datasheet

Anti-CD9 antibody [EPR2949] ab92726

リコンビナント RabMAb®

★★★★☆ 7 Abreviews 34 References 画像数 10

製品の概要

製品名	Anti-CD9 antibody [EPR2949]
製品の詳細	Rabbit monoclonal [EPR2949] to CD9
由来種	Rabbit
アプリケーション	適用あり: WB, IP, IHC-P
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide within Human CD9 aa 200 to the C-terminus. The exact sequence is proprietary. Database link: P21926
ポジティブ・コントロール	WB: HeLa, HuT-78, MCF7 and U87-MG cell lysates. Mouse heart and kidney lysate; Rat brain lysate. IHC-P: Human papillary carcinoma, astrocytoma, brain, kidney and tonsil tissue; Rat spleen tissue. ICC/IF: Mouse peritoneal macrophages. IP: HeLa cell lysate.
特記事項	Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team. This product is a recombinant rabbit monoclonal antibody.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR2949
アイソタイプ IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab92726** in the following tested applications.

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

アプリケーション	Abreviews	特記事項
WB	★★★★★	1/2000. Predicted molecular weight: 25 kDa.
IP		1/10 - 1/100.
IHC-P		1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See IHC antigen retrieval protocols .

ターゲット情報

機能 Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.

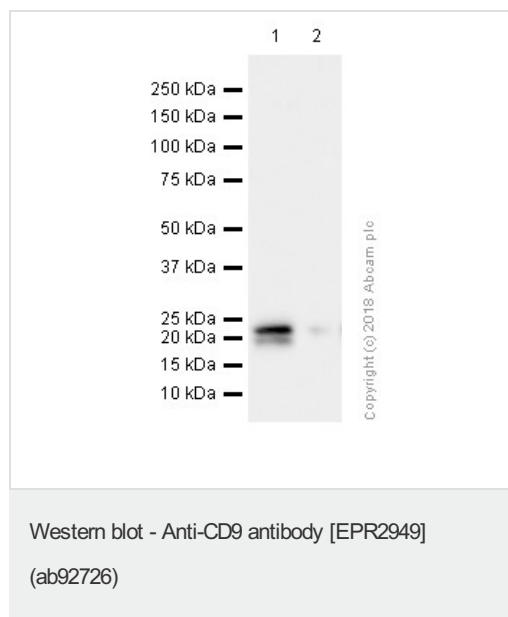
組織特異性 Expressed by a variety of hematopoietic and epithelial cells.

配列類似性 Belongs to the tetraspanin (TM4SF) family.

翻訳後修飾 Protein exists in three forms with molecular masses between 22 and 27 kDa, and is known to carry covalently linked fatty acids.

細胞内局在 Membrane.

画像



All lanes : Anti-CD9 antibody [EPR2949] (ab92726) at 1/1000 dilution

Lane 1 : MCF7 (Human breast adenocarcinoma epithelial cell). Whole cell lysates with 5% NFDN/TBST

Lane 2 : Daudi (Human Burkitt's lymphoma lymphoblast). Whole cell lysates. (negative/low expression control) with 5% NFDN/TBST

Lysates/proteins at 20 µg per lane.

Secondary

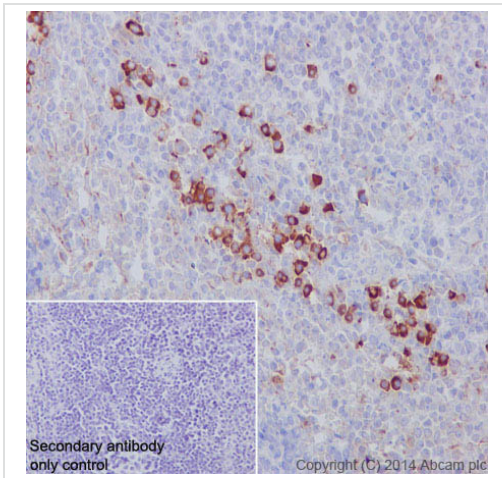
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Predicted band size: 25 kDa

Observed band size: 22 kDa

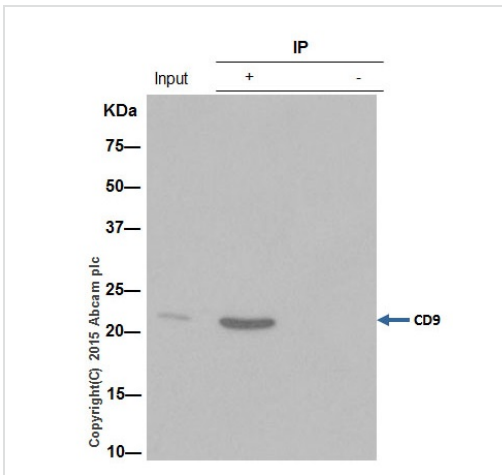
why is the actual band size different from the predicted?

Exposure time: 3 seconds



Immunohistochemical staining of paraffin embedded rat spleen with purified ab92726 at a working dilution of 1/500. The secondary antibody used is HRP goat anti-rabbit IgG H&L (ab97051) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

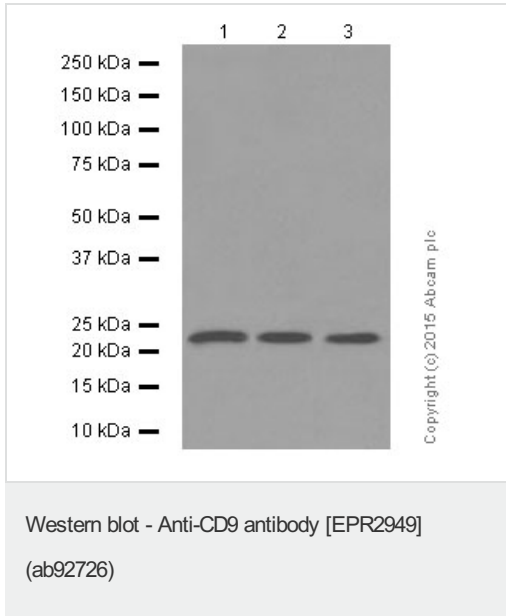


Immunoprecipitation - Anti-CD9 antibody [EPR2949] (ab92726)

ab92726 (purified) at 1/20 immunoprecipitating CD9 in 10 μ g HeLa (Lanes 1 and 2, observed at 24 kDa). Lane 3 - PBS. For western blotting, a HRP-conjugated anti-rabbit IgG, specific to the non-reduced form of IgG was used as the secondary antibody (1/1500).

Blocking buffer and concentration: 5% NFDm/TBST

Dilution buffer and concentration: 5% NFDm/TBST



All lanes : Anti-CD9 antibody [EPR2949] (ab92726) at 1/10000 dilution (purified)

Lane 1 : HeLa cell lysate

Lane 2 : HuT-78 cell lysate

Lane 3 : U87-MG cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

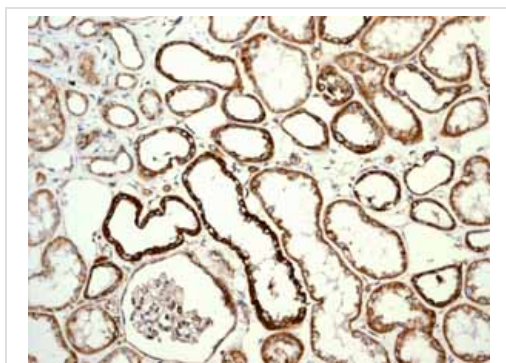
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 25 kDa

Observed band size: 24 kDa [why is the actual band size different from the predicted?](#)

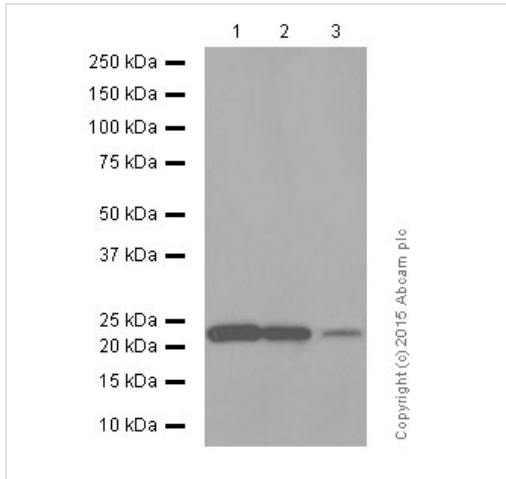
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Unpurified ab92726 showing positive staining in Normal kidney tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)



Western blot - Anti-CD9 antibody [EPR2949] (ab92726)

All lanes : Anti-CD9 antibody [EPR2949] (ab92726) at 1/2000 dilution (purified)

Lane 1 : mouse heart lysate

Lane 2 : mouse kidney lysate

Lane 3 : rat brain lysate

Lysates/proteins at 20 µg per lane.

Secondary

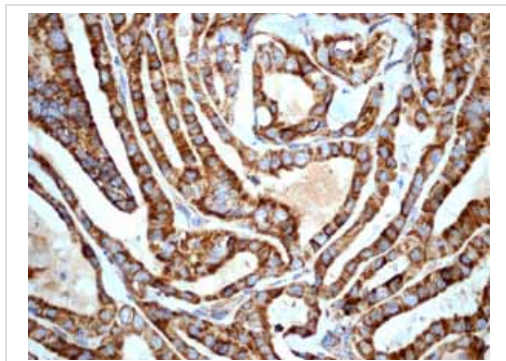
All lanes : HRP goat anti-rabbit IgG (H+L) at 1/1000 dilution

Predicted band size: 25 kDa

Observed band size: 24 kDa [why is the actual band size different from the predicted?](#)

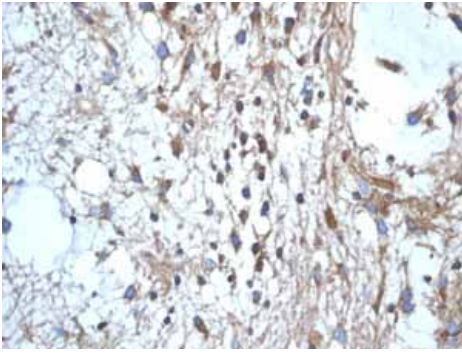
Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



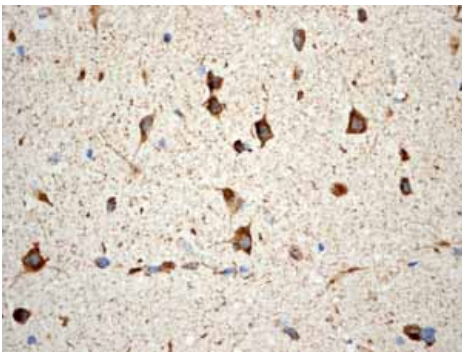
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

Unpurified ab92726 showing positive staining in Papillary carcinoma of thyroid gland tissue.



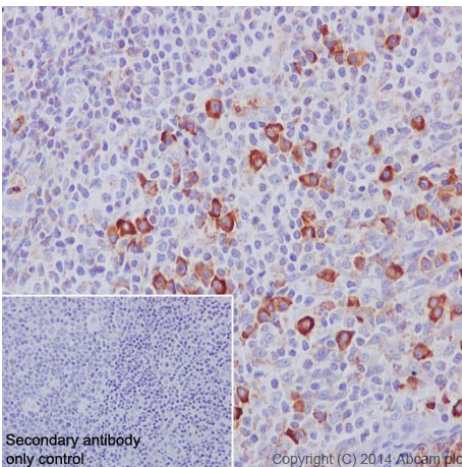
Unpurified ab92726 showing positive staining in Astrocytoma tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)



Unpurified ab92726 showing positive staining in Normal brain tissue.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)



Immunohistochemical staining of paraffin embedded human tonsil with purified ab92726 at a working dilution of 1/500. The secondary antibody used is HRP goat anti-rabbit IgG H&L ([ab97051](#)) at 1/500. The sample is counter-stained with hematoxylin. Antigen retrieval was performed using Tris-EDTA buffer, pH 9.0. PBS was used instead of the primary antibody as the negative control, and is shown in the inset.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

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