abcam

Product datasheet

Anti-CD9 antibody [EPR2949] ab92726

リコンビナント RabMAb

5 Abreviews 16 References 画像数 12

製品の概要

製品名	Anti-CD9 antibody [EPR2949]
製品の詳細	Rabbit monoclonal [EPR2949] to CD9
アプリケーション	**適用あり:** Flow Cyt, ICC/IF, WB, IP, IHC-P
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide within Human CD9 aa 200-300. The exact sequence is proprietary. Database link: P21926
ポジティブ・コントロール	WB: HeLa, HuT-78 and U87-MG cell lysates IHC-P: Human breast carcinoma tissue, human endometrial carcinoma and human tonsil tissue
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.

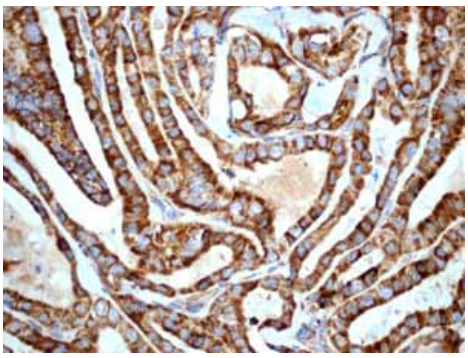
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
Flow Cyt	★★★★☆	1/20. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		1/500.
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 protocols (link: http://www.abcam.com/protocols/ihc-antigen-retrieval-protocol).

ターゲット情報

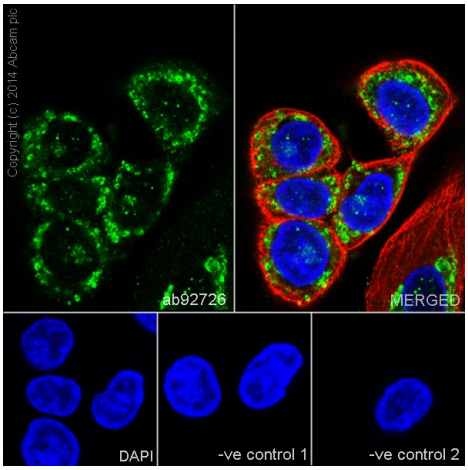
機能	Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.
組織特異性	Expressed by a variety of hematopoietic and epithelial cells.
配列類似性	Belongs to the tetraspanin (TM4SF) family.
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



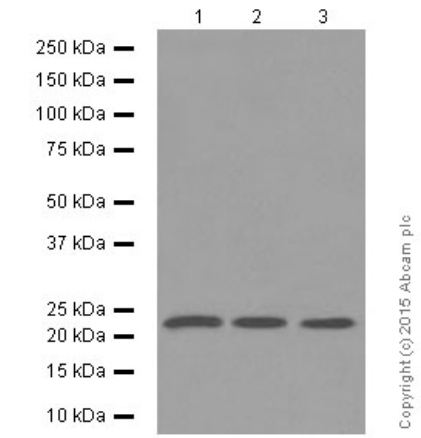
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

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



Immunocytochemistry/ Immunofluorescence - Anti-CD9 antibody [EPR2949] (ab92726)

Immunofluorescence staining of SW480 cells with purified ab92726 at a working dilution of 1/500, counter-stained with DAPI. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit (ab150077), used at a dilution of 1/1000. ab7291, a mouse anti-tubulin antibody (1/1000), was used to stain tubulin along with ab150120 (Alexa Fluor® 594 goat anti-mouse, 1/1000), shown in the top right hand panel. The cells were fixed in 4% PFA and permeabilized using 0.1% Triton X 100. The negative controls are shown in bottom middle and right hand panels - for negative control 1, purified ab92726 was used at a dilution of 1/500 followed by an Alexa Fluor® 594 goat anti-mouse antibody (ab150120) at a dilution of 1/500. For negative control 2, ab7291 (mouse anti-tubulin) was used at a dilution of 1/500 followed by an Alexa Fluor® 488 goat anti-rabbit antibody (ab150077) at a dilution of 1/400.



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

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

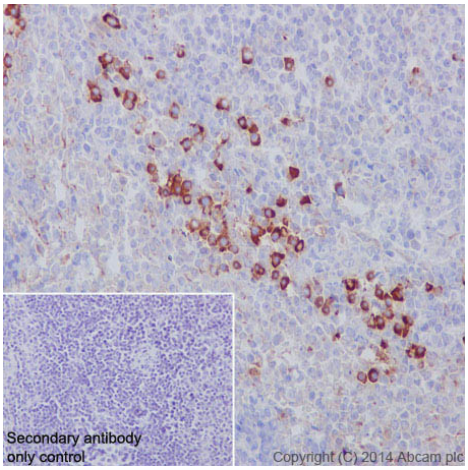
Lysates/proteins at 20 µg per lane.

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

Predicted band size : 25 kDa
Observed band size : 24 kDa

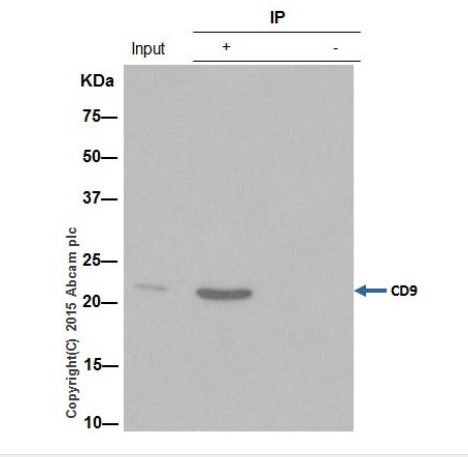
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



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

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 perfomed 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.

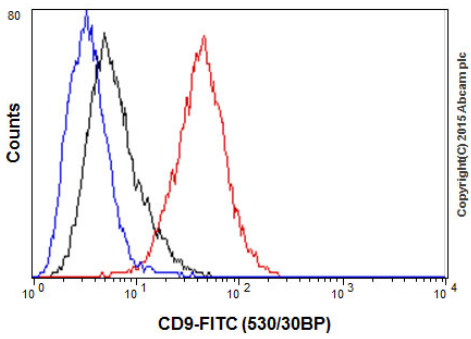


Immunoprecipitation - Anti-CD9 antibody [EPR2949] (ab92726)

ab92726 (purified) at 1/20 immunoprecipitating CD9 in 10 µg 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).

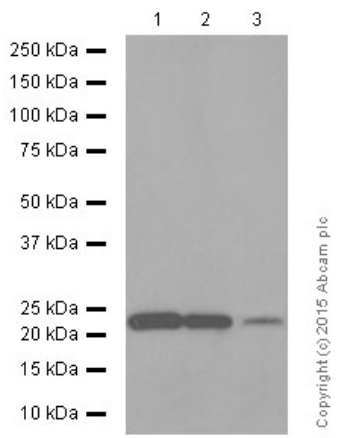
Blocking buffer and concentration: 5% NFDM/TBST

Dilution buffer and concentration: 5% NFDM/TBST



Flow Cytometry - Anti-CD9 antibody [EPR2949] (ab92726)

Overlay histogram showing Jurkat cells fixed in 4% PFA and stained with purified ab92726 at a dilution of 1 in 20 (red line). The secondary antibody used was FITC goat anti-rabbit at a dilution of 1 in 500. Rabbit monoclonal IgG was used as an isotype control (black line) and cells incubated in the absence of both primary and secondary antibody were used as a negative control (blue line).



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

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

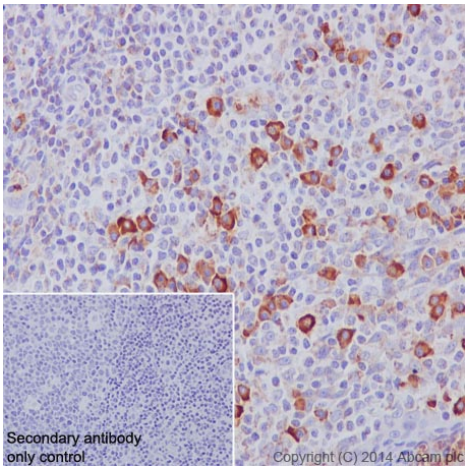
Lane 1 : mouse heart lysate
Lane 2 : mouse kidney lysate
Lane 3 : rat brain lysate

Lysates/proteins at 20 µg per lane.

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

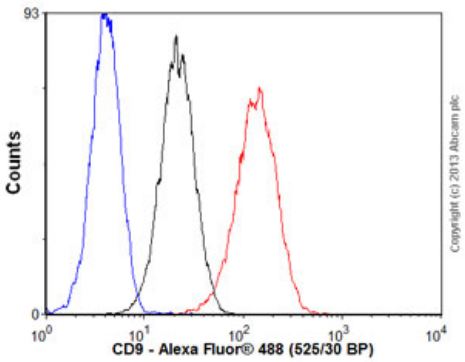
Predicted band size : 25 kDa
Observed band size : 24 kDa
Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



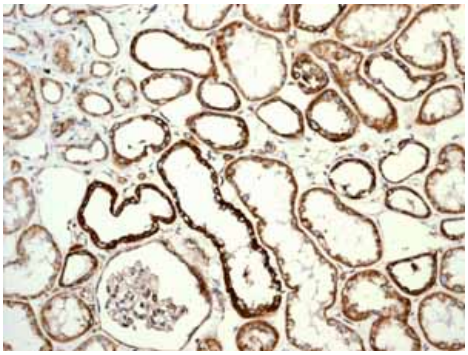
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

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 perfomed 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.



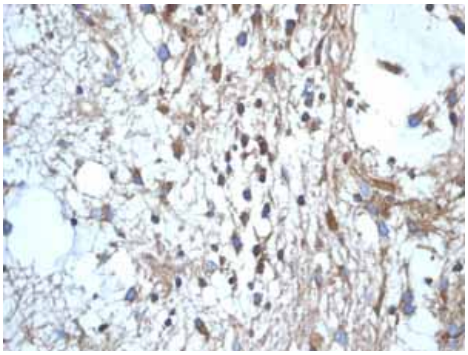
Flow Cytometry - Anti-CD9 antibody [EPR2949] (ab92726)

Overlay histogram showing Jurkat cells stained with unpurified ab92726 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab92726, 1/1000 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (ab150077) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



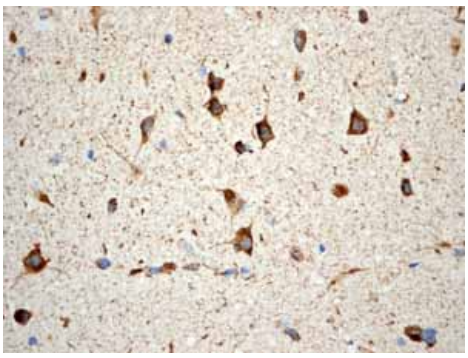
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD9 antibody [EPR2949] (ab92726)

Unpurified ab92726 showing positive staining in Normal kidney tissue.



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

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.

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