

Anti-CD31 (phospho Y713) antibody [EPR8079(2)] - C-terminal ab180175

リコンビナント **RabMAb**

2 References [画像数 3](#)

製品の概要

製品名	Anti-CD31 (phospho Y713) antibody [EPR8079(2)] - C-terminal
製品の詳細	Rabbit monoclonal [EPR8079(2)] to CD31 (phospho Y713) - C-terminal
由来種	Rabbit
アプリケーション	適用あり: WB, Dot blot 適用なし: IHC-P or IP
種交差性	交差種: Human
免疫原	Synthetic peptide within Human CD31 aa 700 to the C-terminus (C terminal) (phospho Y713) (Cysteine residue). The exact sequence is proprietary. Database link: P16284
ポジティブ・コントロール	WB: Pervanadate-treated Jurkat cell lysate. Dot Blot: CD31 (pY713) peptide.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents . Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide

精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR8079(2)
アイソタイプ	IgG

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab180175の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

追加情報 Is unsuitable for IHC-P or IP.

機能

Induces susceptibility to atherosclerosis (By similarity). Cell adhesion molecule which is required for leukocyte transendothelial migration (TEM) under most inflammatory conditions. Tyr-690 plays a critical role in TEM and is required for efficient trafficking of PECAM1 to and from the lateral border recycling compartment (LBRC) and is also essential for the LBRC membrane to be targeted around migrating leukocytes. Prevents phagocyte ingestion of closely apposed viable cells by transmitting 'detachment' signals, and changes function on apoptosis, promoting tethering of dying cells to phagocytes (the encounter of a viable cell with a phagocyte via the homophilic interaction of PECAM1 on both cell surfaces leads to the viable cell's active repulsion from the phagocyte. During apoptosis, the inside-out signaling of PECAM1 is somehow disabled so that the apoptotic cell does not actively reject the phagocyte anymore. The lack of this repulsion signal together with the interaction of the eat-me signals and their respective receptors causes the attachment of the apoptotic cell to the phagocyte, thus triggering the process of engulfment). Isoform Delta15 is unable to protect against apoptosis. Modulates BDKRB2 activation. Regulates bradykinin- and hyperosmotic shock-induced ERK1/2 activation in human umbilical cord vein cells (HUVEC).

2

level).

配列類似性

Contains 6 Ig-like C2-type (immunoglobulin-like) domains.

ドメイン

The Ig-like C2-type domains 2 and 3 contribute to formation of the complex with BDKRB2 and in regulation of its activity.

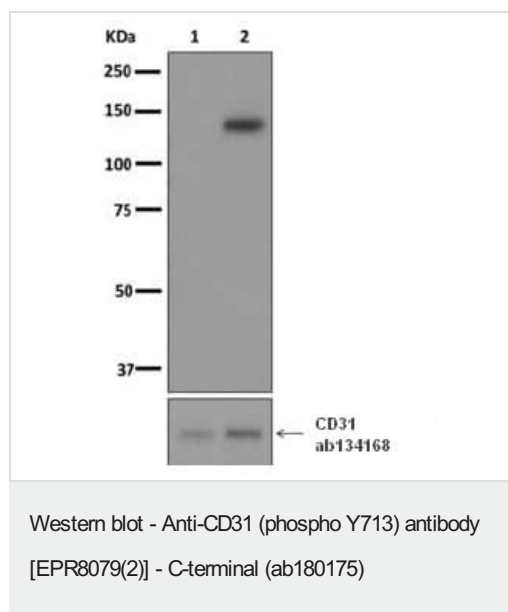
翻訳後修飾

Phosphorylated on Ser and Tyr residues after cellular activation. In endothelial cells Fyn mediates mechanical-force (stretch or pull) induced tyrosine phosphorylation.

細胞内局在

Membrane. Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells and Cell junction. Localizes to the lateral border recycling compartment (LBRC) and recycles from the LBRC to the junction in resting endothelial cells.

画像



All lanes : Anti-CD31 (phospho Y713) antibody [EPR8079(2)] - C-terminal (ab180175) at 1/1000 dilution

Lane 1 : Non-treated Jurkat cell lysate

Lane 2 : Pervanadate-treated Jurkat cell lysate

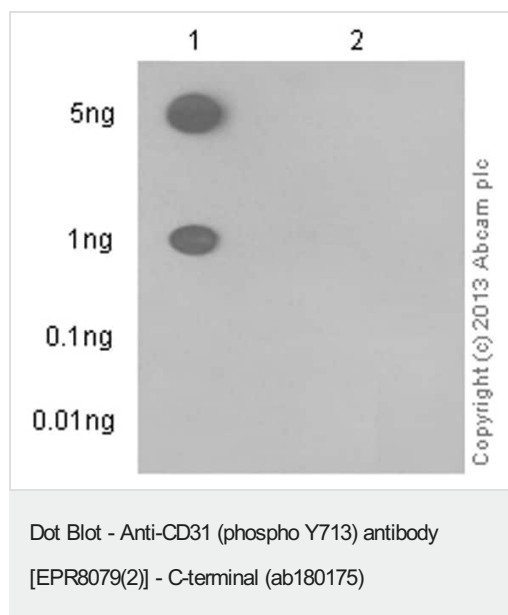
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Standard HRP goat anti-rabbit at 1/2000 dilution

Developed using the ECL technique.

Predicted band size: 82 kDa



Dot blot analysis of CD31 (pY713) peptide (Lane 1) and CD31 non-phospho peptide (Lane 2) labelling CD31 (phospho Y713) with ab180175 at a dilution of 1/1000. A Peroxidase-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody at a dilution of 1/2500.

Blocking and dilution buffer: 5% NFDM/TBST.

Exposure time: 10 seconds.

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-CD31 (phospho Y713) antibody [EPR8079(2)] -
C-terminal (ab180175)

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