abcam

Product datasheet

Anti-Extracellular matrix protein 1 antibody [EPR6701] ab126629

リコンビナント RabMAb

2 Abreviews 9 References 画像数 10

製品の概要

製品名	Anti-Extracellular matrix protein 1 antibody [EPR6701]
製品の詳細	Rabbit monoclonal [EPR6701] to Extracellular matrix protein 1
由来種	Rabbit
特異性	The rat recommendation is based on the WB results. We do not guarantee IHC-P for rat.
アプリケーション	**適用あり:** Flow Cyt (Intra), WB, IP, IHC-P, ICC/IF
種交差性	**交差種:** Rat, Human
免疫原	Synthetic peptide within Human Extracellular matrix protein 1 aa 100-200. The exact sequence is proprietary. Database link: **Q16610**
ポジティブ・コントロール	WB: MDA MB 435 cell line, Rat heart, Rat kidney, Human skin cell, and A375 cell line lysates. IHC-P: Human breast carcinoma and Human kidney tissues. ICC/IF: A375 cells. IP: A375 cells. Flow Cyt (intra): A375 cells.
特記事項	This product is a recombinant monoclonal antibody, which offers several advantages including: - 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: We have preliminary internal testing data to indicate this antibody may not react with this 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 -20°C. Stable for 12 months at -20°C.
解離定数（K_D 値）	K_D = 1.20 x 10^{-10} M

Learn more about K_D

バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR6701
アイソタイプ	IgG

アプリケーション

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ab126629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検討ください。

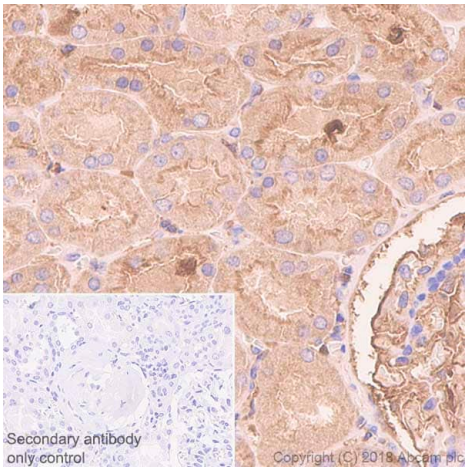
アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/20.
WB		1/1000 - 1/10000. Predicted molecular weight: 61 kDa.
IP		1/10 - 1/100.
IHC-P	★★☆☆☆ (1)	1/100 - 1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The rat recommendation is based on the WB results. We do not guarantee IHC-P for rat. See **IHC antigen retrieval protocols**.
ICC/IF	★★★★★ (1)	1/100 - 1/250.

ターゲット情報

機能	Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity.
組織特異性	Expressed in breast cancer tissues. Little or no expression observed in normal breast tissues. Expressed in skin; wide expression is observed throughout the dermis with minimal expression in the epidermis.
関連疾患	Defects in ECM1 are the cause of lipoid proteinosis (LiP) [MIM:247100]; also known as lipoid proteinosis of Urbach and Wiethe or hyalinosis cutis et mucosae. LiP is a rare autosomal recessive disorder characterized by generalized thickening of skin, mucosae and certain viscera. Classical features include beaded eyelid papules and laryngeal infiltration leading to hoarseness. Histologically, there is widespread deposition of hyaline material and disruption/reduplication of basement membrane.

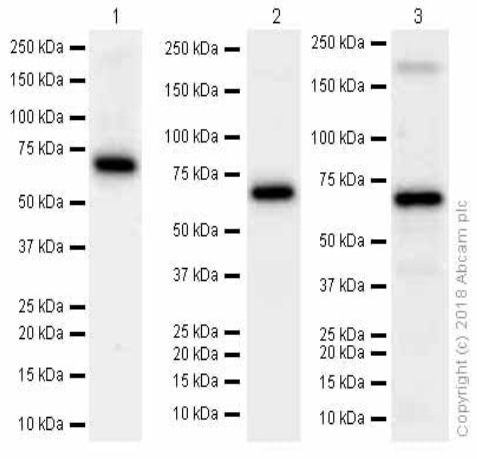
細胞内局在 Secreted > extracellular space > extracellular matrix.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human kidney tissue sections labeling Extracellular matrix protein 1 with purified ab126629 at 1:100 dilution (2.01 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use)was used as the secondary antibody. Negative control:PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

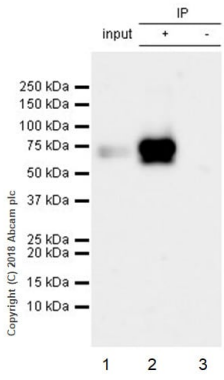
All lanes : Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629) at 1/2000 dilution (Purified)

Lane 1 : A375 (Human malignant melanoma epithelial cell)
Lane 2 : Rat heart lysates
Lane 3 : Rat kidney lysates

Lysates/proteins at 15 µg per lane.

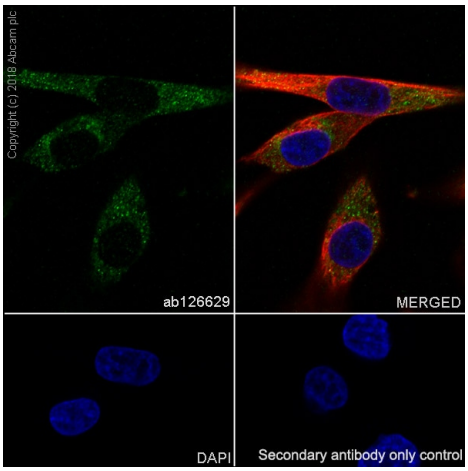
Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

Predicted band size: 61 kDa
Observed band size: 61 kDa



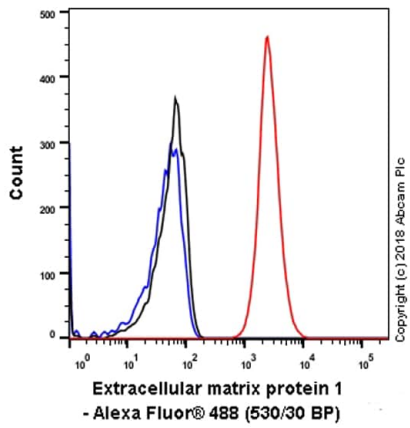
Immunoprecipitation - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

ab126629 (purified) at 1:20 dilution (2µg) immunoprecipitating Extracellular matrix protein 1 in A375 whole cell lysate.
Lane 1 (input): A375 (Human malignant melanoma epithelial cell) whole cell lysate 10µg
Lane 2 (+): ab126629 & A375 whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab126629 in A375 whole cell lysate
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used for detection at 1:1000 dilution.
Blocking and diluting buffer: 5% NFDM/TBST.



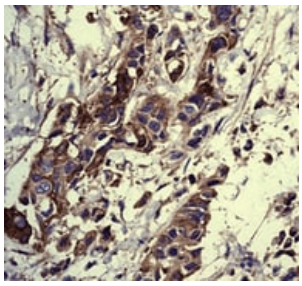
Immunocytochemistry/ Immunofluorescence - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

Immunocytochemistry/ Immunofluorescence analysis of A375 (Human malignant melanoma epithelial cell) cells labeling Extracellular matrix protein 1 with purified ab126629 at 1:100 dilution (2.0 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Flow Cytometry (Intracellular) - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

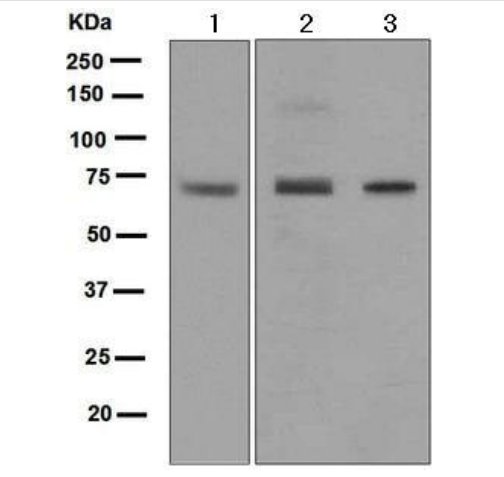
Intracellular Flow Cytometry analysis of A375 (Human malignant melanoma epithelial cell) cells labeling Extracellular matrix protein 1 with purified ab126629 at 1/20 dilution (10 µg/ml) (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) secondary antibody was used at 1/2000. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

ab126629, at 1/100, staining Extracellular matrix protein 1 in formalin fixed, paraffin embedded Human breast carcinoma tissue by Immunohistochemistry.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

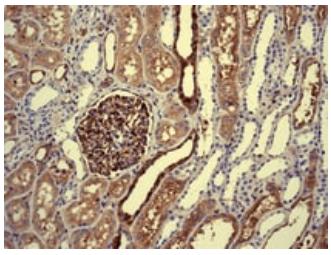
All lanes : Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629) at 1/1000 dilution

Lane 1 : MDA MB 435 cell line lysate
Lane 2 : Human skin cell line lysate
Lane 3 : A375 cell line lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-rabbit HRP conjugated antibodty at 1/2000 dilution

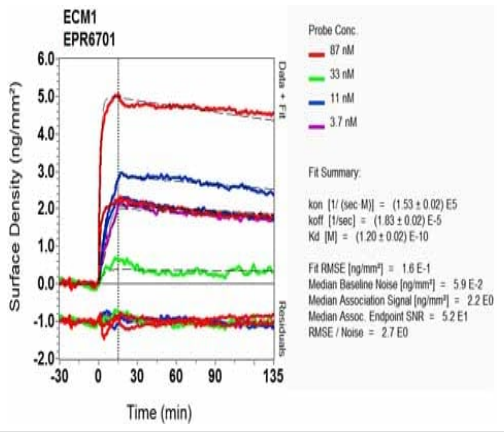
Predicted band size: 61 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

ab126629, at 1/100, staining Extracellular matrix protein 1 in formalin fixed, paraffin embedded Human kidney tissue by Immunohistochemistry.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.



OI-RD Scanning - Anti-Extracellular matrix protein 1 antibody [EPR6701] (ab126629)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

Anti-Extracellular matrix protein 1 antibody

[EPR6701] (ab126629)

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