abcam

Product datasheet

Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free ab242391

リコンビナント RabMAb

画像数 8

製品の概要

製品名	Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR6701] to Extracellular matrix protein 1 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IHC-P, IP, WB, Flow Cyt (Intra)
種交差性	**交差種:** Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	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	ab242391 is the carrier-free version of **ab126629**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. 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. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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 +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
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ab242391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。

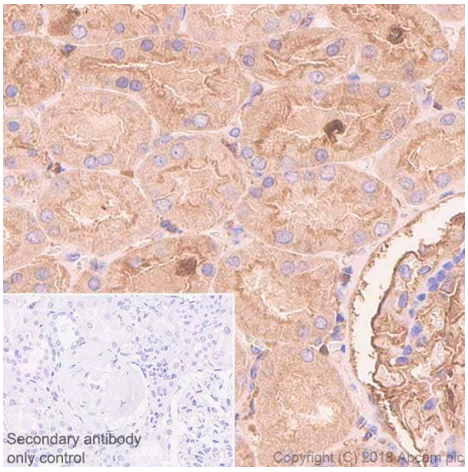
アプリケーション	Abreviews	特記事項
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. The rat recommendation is based on the WB results. We do not guarantee IHC-P for rat.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 61 kDa.
Flow Cyt (Intra)		Use at an assay dependent concentration.

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.

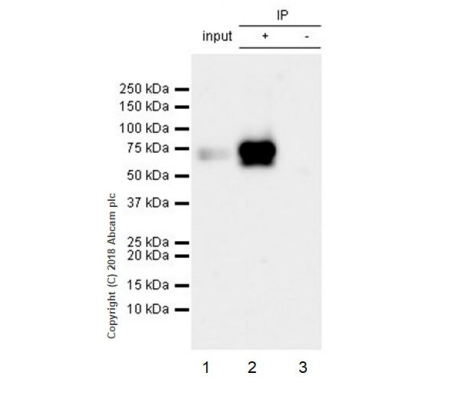
関連疾患	Defects in ECM1 are the cause of lipoid proteinosis (LiP) [MIM:247100]; also known as lipoid proteinosis of Urbach and Wiethe or hyalinosis cutis et mucosae. LiP is a rare autosomal recessive disorder characterized by generalized thickening of skin, mucosae and certain viscera. Classical features 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



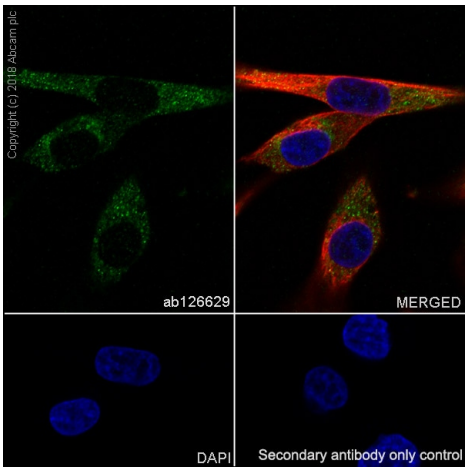
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

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.



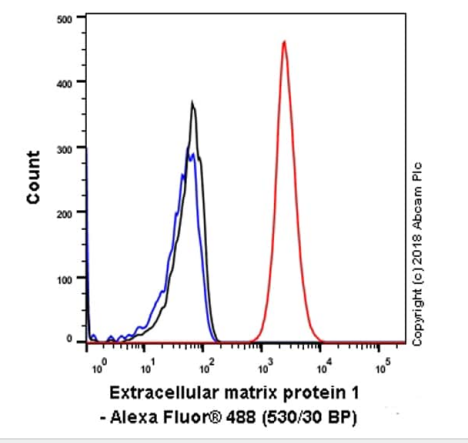
Immunoprecipitation - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

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.



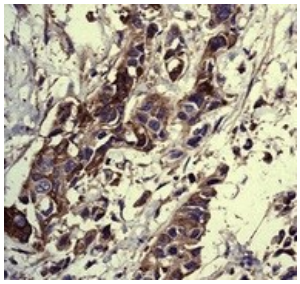
Immunocytochemistry/ Immunofluorescence - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

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] - BSA and Azide free (ab242391)

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).

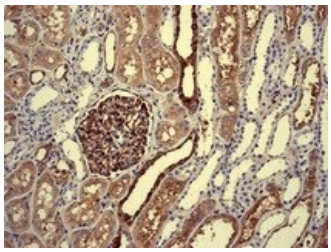


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126629**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

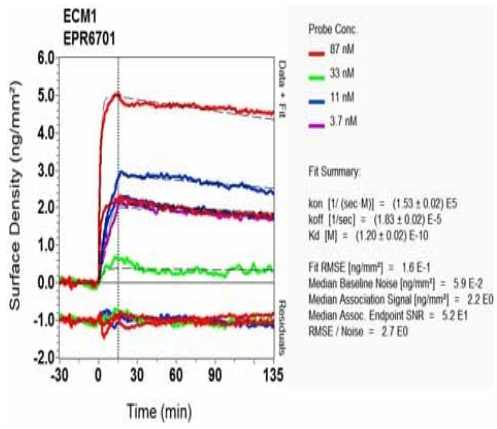


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126629**).

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



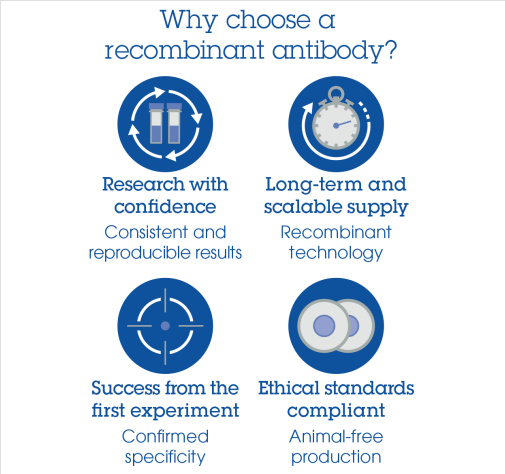
OI-RD Scanning - Anti-Extracellular matrix protein 1 antibody [EPR6701] - BSA and Azide free (ab242391)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab126629**).



Anti-Extracellular matrix protein 1 antibody

[EPR6701] - BSA and Azide free (ab242391)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors