abcam

Product datasheet

Anti-CXCL7/PBP antibody [EPR20036] ab206406

リコンビナント RabMAb

画像数 7

製品の概要

製品名	Anti-CXCL7/PBP antibody [EPR20036]
製品の詳細	Rabbit monoclonal [EPR20036] to CXCL7/PBP
由来種	Rabbit
アプリケーション	**適用あり:** IHC-P, WB, IHC-Fr, IP
種交差性	**交差種:** Mouse
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Mouse CXCL7/PBP active protein; Mouse spleen, platelet, plasma and serum lysates. IHC-P: Mouse spleen and lung tissues. IHC-Fr: Mouse spleen tissue. IP: Mouse spleen lysate.
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**.

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 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	EPR20036
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ab206406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
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/2000. Detects a band of approximately 7 kDa (predicted molecular weight: 14 kDa).
IHC-Fr		1/500. Antigen retrieval: Heated citrate solution (10mM citrate PH 6.0 + 0.05% Tween-20)
IP		1/40.

ターゲット情報

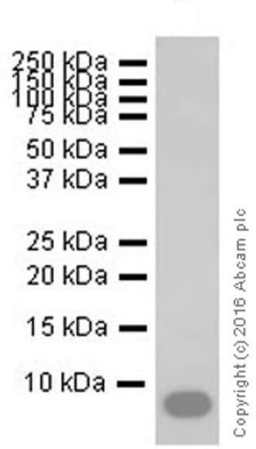
機能 LA-PF4 stimulates DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by human synovial cells. NAP-2 is a ligand for CXCR1 and CXCR2, and NAP-2, NAP-2(73), NAP-2(74), NAP-2(1-66), and most potent NAP-2(1-63) are chemoattractants and activators for neutrophils. TC-1 and TC-2 are antibacterial proteins, in vitro released from activated platelet alpha-granules. CTAP-III(1-81) is more potent than CTAP-III desensitize chemokine-induced neutrophil activation.

配列類似性 Belongs to the intercrine alpha (chemokine CxC) family.

翻訳後修飾 Proteolytic removal of residues 1-9 produces the active peptide connective tissue-activating peptide III (CTAP-III) (low-affinity platelet factor IV (LA-PF4)).
Proteolytic removal of residues 1-13 produces the active peptide beta-thromboglobulin, which is released from platelets along with platelet factor 4 and platelet-derived growth factor.
NAP-2(1-66) is produced by proteolytical processing, probably after secretion by leukocytes other than neutrophils.
NAP-2(73) and NAP-2(74) seem not be produced by proteolytical processing of secreted precursors but are released in an active form from platelets.

細胞内局在 Secreted.

画像



Western blot - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

Anti-CXCL7/PBP antibody [EPR20036] (ab206406) at 1/5000 dilution + Mouse CXCL7/PBP active protein at 0.01 µg

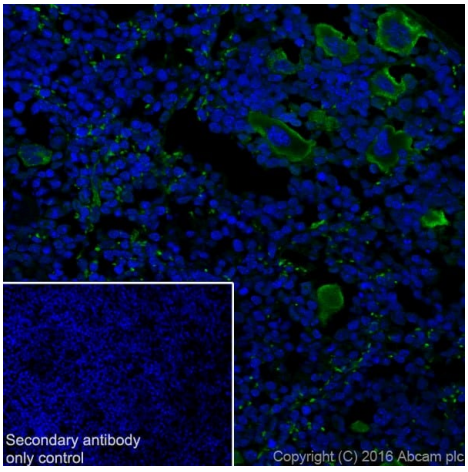
Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 14 kDa
Observed band size: 7 kDa

Exposure time: 8 seconds

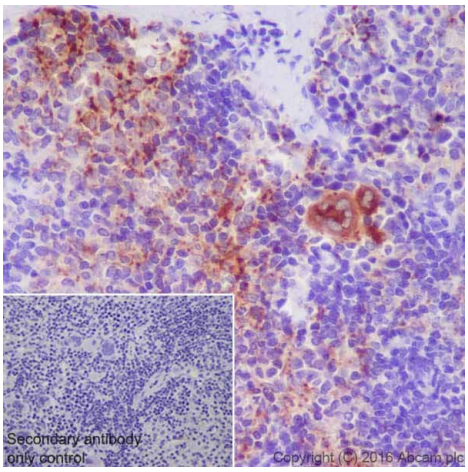
Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemistry (Frozen sections) - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Mouse spleen tissue labeling CXCL7/PBP with ab206406 at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Cytoplasmic staining on megakaryocytes and platelets of mouse spleen was observed. The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution.

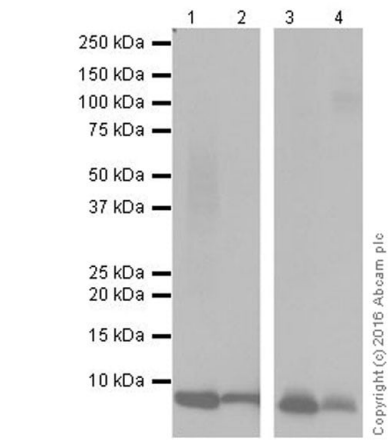


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling CXCL7/PBP with ab206406 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasmic staining on megakaryocytes and platelets of mouse spleen is observed [PMID:16391012]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

Lanes 1-2 : Anti-CXCL7/PBP antibody [EPR20036] (ab206406) at 1/2000 dilution
Lanes 3-4 : Anti-CXCL7/PBP antibody [EPR20036] (ab206406) at 1/10000 dilution

Lane 1 : Mouse spleen tissue lysate
Lane 2 : Mouse plasma
Lane 3 : Mouse platelet lysate
Lane 4 : Mouse serum

Lysates/proteins at 10 µg per lane.

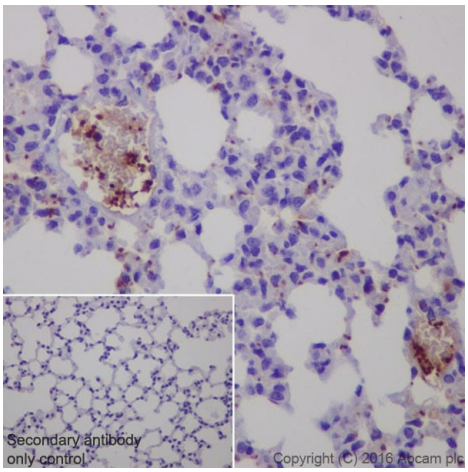
Secondary
All lanes : Goat Anti-Rabbit IgG Peroxidase Conjugate, specific to the non-reduced form of IgG at 1/10000 dilution

Predicted band size: 14 kDa
Observed band size: 7 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure times: Lane 1/2: 4 seconds; Lane 3/4: 1 second.

The molecular weight is consistent with what has been described in the literature: PMID: 14673015.

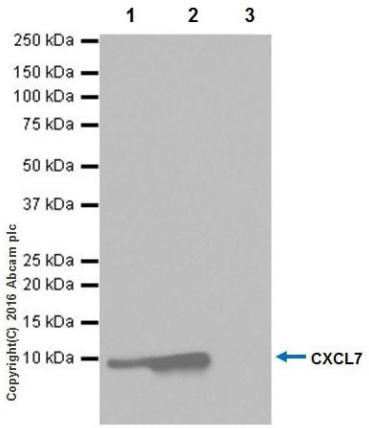


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

Immunohistochemical analysis of paraffin-embedded mouse lung tissue labeling CXCL7/PBP with ab206406 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Cytoplasmic staining on platelets of mouse lung is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

CXCL7/PBP was immunoprecipitated from 0.35 mg of Mouse spleen lysate with ab206406 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab206406 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

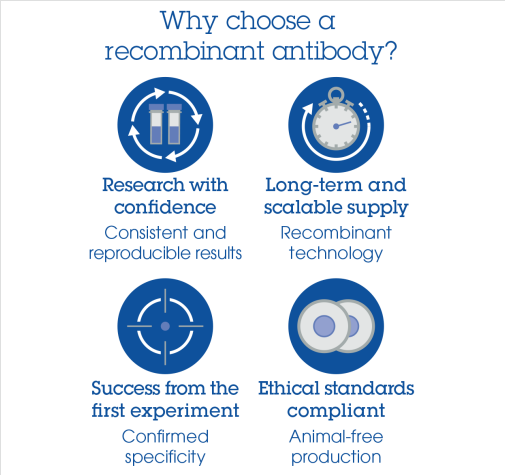
Lane 1: Mouse spleen lysate, 10 µg (Input).

Lane 2: ab206406 IP in Mouse spleen lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab206406 in Mouse spleen lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 1 second.



Anti-CXCL7/PBP antibody [EPR20036] (ab206406)

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