abcam

Product datasheet

Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free ab220117

リコンビナント RabMAb

9 References 画像数 11

製品の概要

製品名	Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR3099] to RUNX1 / AML1 + RUNX3 + RUNX2 - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** Flow Cyt (Intra), ChIC/CUT&RUN-seq, IHC-Fr, WB, IHC-P, IP
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as **ab177141**)
ポジティブ・コントロール	WB: MOLT4, WEHI-3, CTLL-2 and Raw264.7 cell lysate; mouse and rat thymus tissue lysate, mouse spleen tissue lysate and fetal thymus tissue lysate. IHC: Human tonsil tissue. IP: Molt-4 cell lysate IHC-Fr: Human tonsil tissue sections. ChIC/CUT&RUN-Seq: K-562 cells.
特記事項	ab220117 is the carrier-free version of **ab92336**. 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**.

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: 7.20 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	EPR3099
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ab220117の使用に適用されます

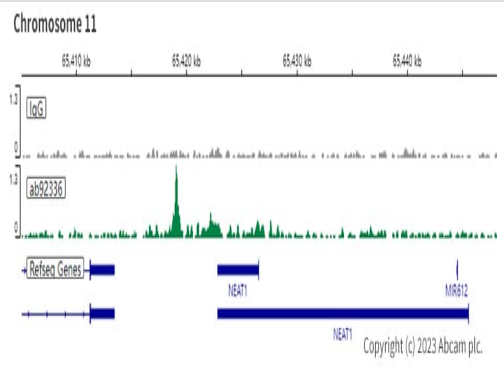
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		Use at an assay dependent concentration. **ab199376** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ChIC/CUT&RUN-seq		Use at an assay dependent concentration.
IHC-Fr		1/500.
WB		Use at an assay dependent concentration. Predicted molecular weight: 49 kDa.Can be blocked with **RUNX1 / AML1 peptide (ab177141)**.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol. The use of an HRP/AP polymerized secondary antibody will give a stronger signal.
IP		1/50.

ターゲット情報

細胞内局在	RUNX1 / AML1: Nucleus. RUNX3: Nucleus. Cytoplasm. The tyrosine phosphorylated form localizes to the cytoplasm. RUNX2: Nucleus.

画像



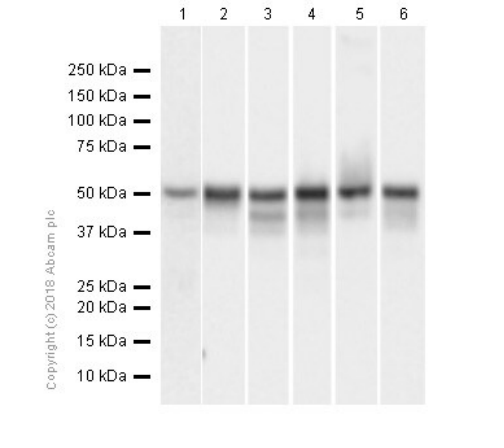
ChIC/CUT&RUN sequencing - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

ChIC/CUT&RUN was performed using a pAG-MNAse at a final concentration of 700 ng/mL, 2.5 x 10^5 K-562 (Human chronic myelogenous leukemia lymphoblast) cells and 5µg of **ab92336** [EPR3099]. The resulting DNA was sequenced on the Illumina NovaSeq 6000 to a depth of 10 million reads. The negative IgG control **ab172730** is also shown.

Additional screenshots of mapped reads can be downloaded **here**.

The University of Geneva owns patents relevant to ChIC (Chromatin Immuno-Cleavage) methods.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

All lanes : Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (**ab92336**) at 1.28 µg/ml (purified)

Lane 1 : Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate
Lane 2 : Molt-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate
Lane 3 : WEHI-3 (Mouse leukemia lymphoblast) whole cell lysate
Lane 4 : Mouse thymus lysate
Lane 5 : CTLL-2 (Mouse T lymphocyte) whole cell lysate
Lane 6 : Rat thymus lysate

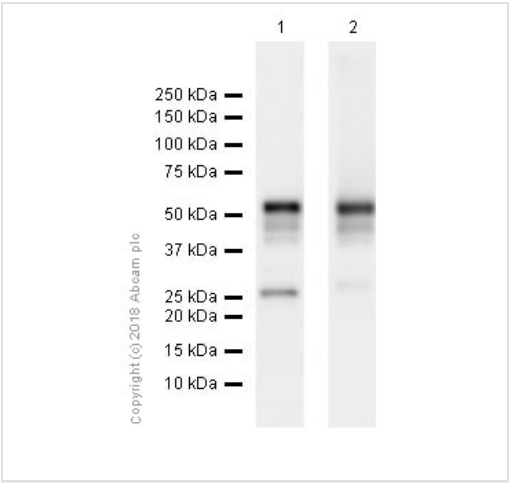
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

Predicted band size: 49 kDa

Blocking and diluting buffer: 5% NFDM/TBST

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

All lanes : Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (**ab92336**) at 1.28 µg/ml (purified)

Lane 1 : Mouse spleen lysate
Lane 2 : Mouse thymus lysate

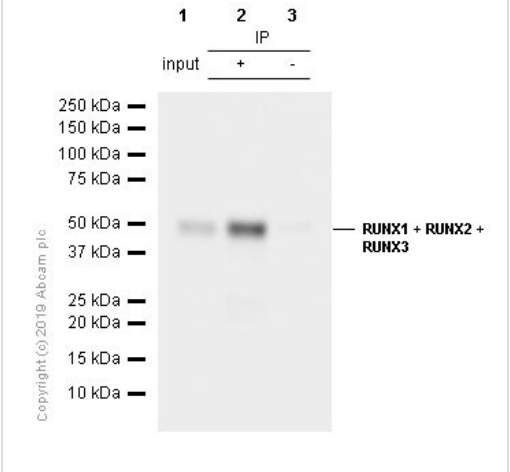
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 0.05 µg/ml

Predicted band size: 49 kDa

Blocking/Diluting buffer and concentration: 5% NFDM /TBST

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).

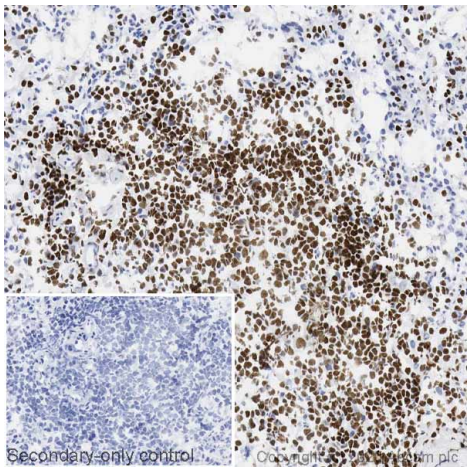


Immunoprecipitation - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

ab92336 (purified) at 1/50 immunoprecipitating RUNX1 / AML1 + RUNX3 + RUNX2 in 10 µg Molt-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate (**Lanes 1 and 2**, observed at 49 kDa). **Lane 3** - Rabbit monoclonal IgG (**ab172730**) instead of **ab92336** in Molt-4 whole cell lysate. For western blotting, ab220117 at 1/500 and HRP Veriblot for IP (**ab131366**) was used for detection at 1/1000 dilution.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).

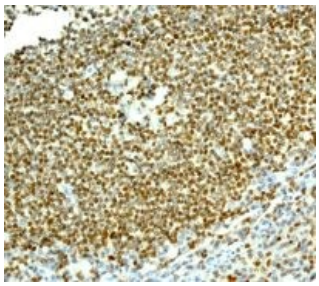


Immunohistochemistry (Frozen sections) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

This data was developed using the same antibody clone in a different buffer formulation (**ab92336**).

IHC image of RUNX1 / AML1 + RUNX3 + RUNX2 staining in a section of frozen normal human tonsil performed on a Leica BOND™ system using the standard protocol. The section was fixed in 10% paraformaldehyde (10 min) prior to staining. The section was incubated with **ab92336**, 1/500 dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

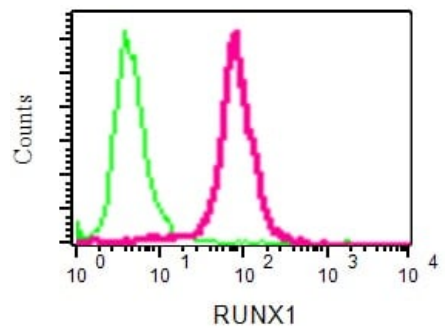


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

Immunohistochemistry staining of RUNX1 / AML1 in formalin-fixed, paraffin-embedded Human tonsil tissue using 1/100 **ab92336**.

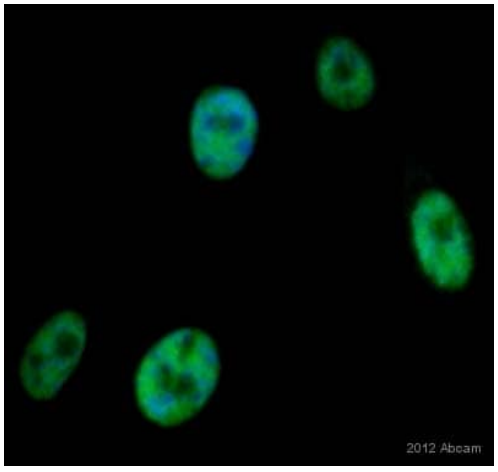
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).

Perform heat mediated antigen retrieval via the pressure cooker method before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

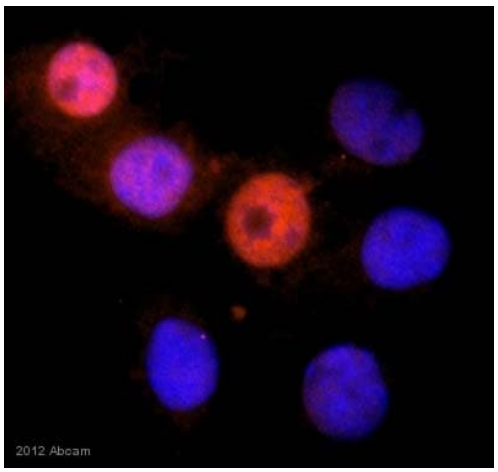
Intracellular flow cytometric analysis of permeabilized Molt-4 cells using anti-RUNX1 **ab92336** (red) or a rabbit IgG (negative) (green). This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).



Immunocytochemistry/ Immunofluorescence - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

This image is courtesy of an anonymous Abreview.

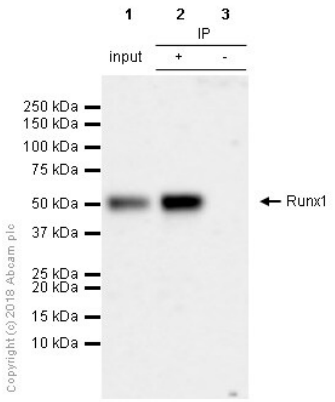
ab92336 staining RUNX1 / AML1 in human glioblastoma cell line by Immunocytochemistry/ Immunofluorescence.
Cells were fixed in paraformaldehyde, permeabilized using 0,1% Triton X 100 in PBS, blocked with 0.5% BSA for 30 minutes at room temperature and then incubated with **ab92336** at a 1/50 dilution for 16 hours at 4°C. The secondary used was an Alexa-Fluor 488 conjugated goat anti-rabbit polyclonal used at a 1/400 dilution. Nuclei are counterstained with DAPI.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).



Immunocytochemistry/ Immunofluorescence - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

This image is courtesy of an anonymous Abreview.

ab92336 staining RUNX1 / AML1 in rat glioblastoma cell line C6 by Immunocytochemistry/ Immunofluorescence.
Cells were fixed in paraformaldehyde, permeabilized using 0,1% Triton X 100 in PBS, blocked with 0.5% BSA for 30 minutes at room temperature and then incubated with **ab92336** at a 1/50 dilution for 16 hours at 4°C. The secondary used was a Cy3 conjugated goat anti-rabbit polyclonal used at a 1/400 dilution. Nuclei are counterstained with DAPI.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab92336**).



Immunoprecipitation - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

Lane 1 (input): MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate, 10µg
Lane 2 (+): MOLT-4 whole cell lysate
Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab220117 in MOLT-4 whole cell lysate

Ab220117 Immunoprecipitating RUNX1 / AML1 + RUNX3 + RUNX2 in MOLT-4 whole cell lysates. For western blotting, primary antibody used was ab220117 at 1:500 dilution (1.98 µg/ml). Ab131366 VeriBlot for IP (HRP) was used for detection at 1:1000 dilution.

Blocking and diluting buffer: 5% NFDM/TBST.

Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

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