abcam

Product datasheet

Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] ab92336

重组 RabMAb

4 Abreviews 75 References 10 图像

概述

产品名称	Anti-RUNX1 / AML1 + RUNX3 + RUNX2抗体[EPR3099]
描述	兔单克隆抗体[EPR3099] to RUNX1 / AML1 + RUNX3 + RUNX2
宿主	Rabbit
经测试应用	**适用于:** ChIC/CUT&RUN-seq, Flow Cyt (Intra), WB, IP, IHC-P, IHC-Fr
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as **ab177141**)
阳性对照	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.
常规说明	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**.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
纯度	Tissue culture supernatant

克隆	单克隆
克隆编号	EPR3099
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab92336于以下的经测试应用**

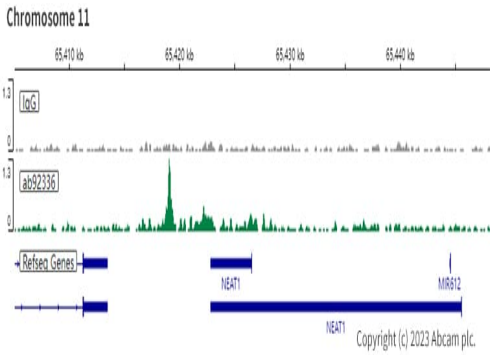
"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ChIC/CUT&RUN-seq		Use at an assay dependent concentration. 5 µg
Flow Cyt (Intra)		1/50. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/5000 - 1/10000. Predicted molecular weight: 49 kDa.Can be blocked with **RUNX1 / AML1 peptide (ab177141)**.
IP		1/20.
IHC-P		1/100 - 1/250. 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.
IHC-Fr		1/500.

靶标

细胞定位	RUNX1 / AML1: Nucleus. RUNX3: Nucleus. Cytoplasm. The tyrosine phosphorylated form localizes to the cytoplasm. RUNX2: Nucleus.

图片

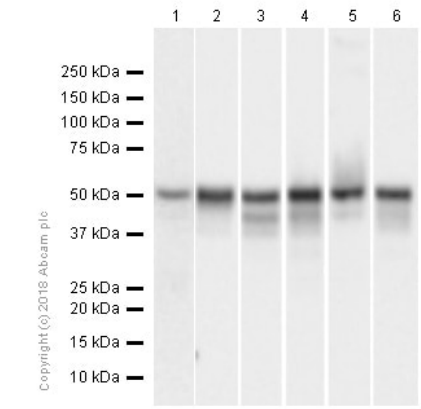


ChIC/CUT&RUN sequencing - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

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.



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

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

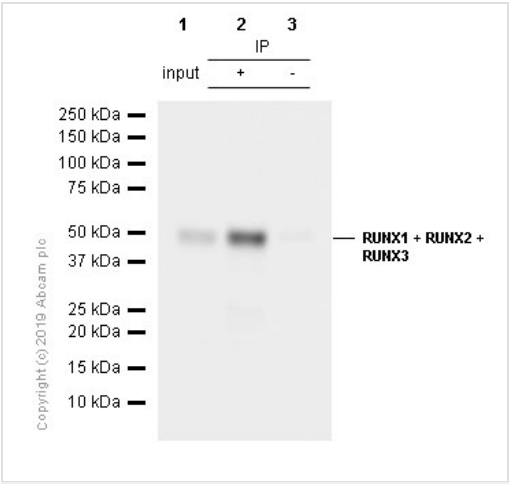
Lane 1 : Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate
Lane 2 : Molt-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate
Lane 3 : WEHI-3 (Mouse leukemia lymphoblast) whole cell lysate
Lane 4 : Mouse thymus lysate
Lane 5 : CTLL-2 (Mouse T lymphocyte)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

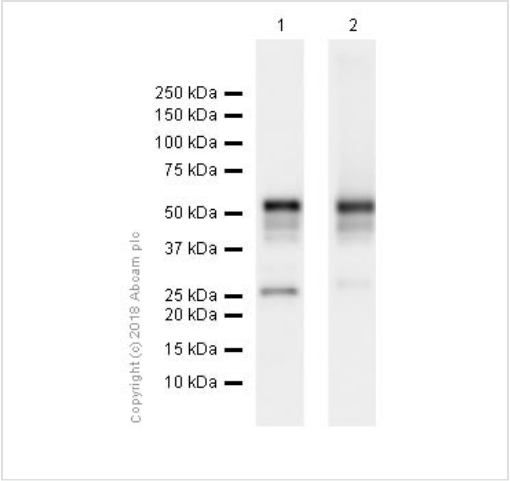
Blocking/Diluting buffer and concentration: 5% NFDM /TBST



Immunoprecipitation - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

ab92336 (purified) at 1/20 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, ab92336 at 1/500 and VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/1000 dilution.

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



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

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

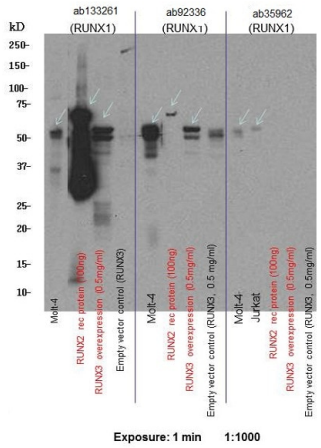
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 49 kDa

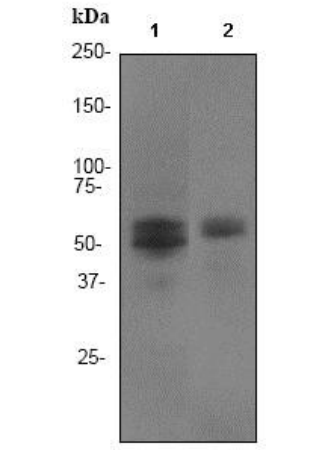
Blocking/Diluting buffer and concentration: 5% NFDM /TBST



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

RUNX2 recombinant protein full length, with N-terminal HIS tag, expressed in E.Coli.

RUNX3 overexpression and empty vector control lysates created in HEK293T cells. The protein contains a C-terminal DDK tag.



Western blot - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

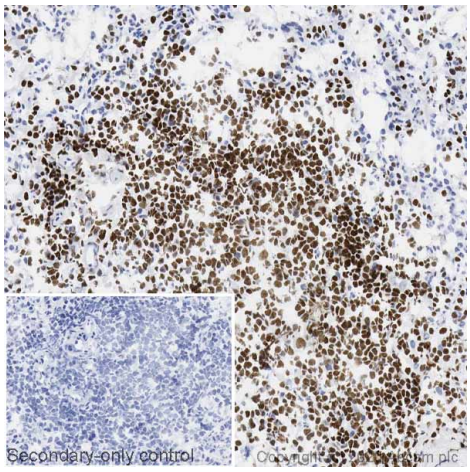
All lanes : Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336) at 1/10000 dilution

Lane 1 : MOLT4
cell lysate
Lane 2 : fetal thymus lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat anti-Rabbit HRP at 1/2000 dilution

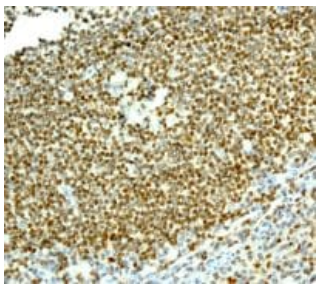
Predicted band size: 49 kDa



Immunohistochemistry (Frozen sections) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

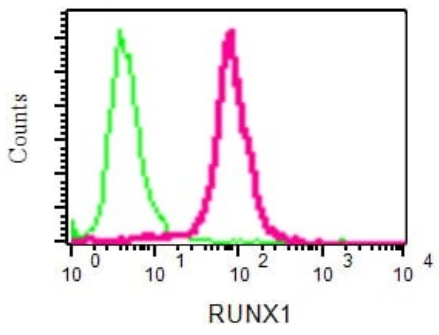
IHC image of RUNX1 / AML1 + RUNX3 + RUNX2 staining in a section of frozen normal human tonsil performed on a Leica BOND™ system using the standard protocol. The section was fixed in 10% paraformaldehyde (10 min) prior to staining. The section was incubated with ab92336, 1/500 dilution, for 15 mins at 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.



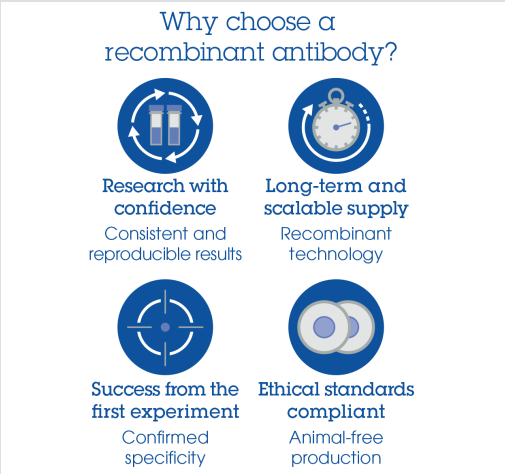
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

Immunohistochemistry staining of RUNX1 / AML1 in formalin-fixed, paraffin-embedded Human tonsil tissue using 1/100 ab92336. Heat mediated antigen retrieval was performed via the pressure cooker method before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

Intracellular flow cytometric analysis of permeabilized Molt-4 cells using anti-RUNX1 ab92336 (red) or a rabbit IgG (negative) (green).



Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] (ab92336)

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