

Product datasheet

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

Recombinant RabMAb

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Overview

Product name	Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099]
Description	Rabbit monoclonal [EPR3099] to RUNX1 / AML1 + RUNX3 + RUNX2
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB, IP, IHC-P, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as ab177141)
Positive control	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.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- 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 .

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
Purity	Tissue culture supernatant

Clonality	Monoclonal
Clone number	EPR3099
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab92336 in the following tested applications.

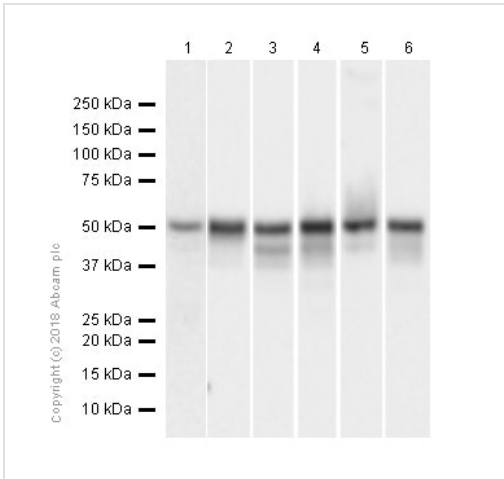
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.

Target

Cellular localization RUNX1 / AML1: Nucleus. RUNX3: Nucleus. Cytoplasm. The tyrosine phosphorylated form localizes to the cytoplasm. RUNX2: Nucleus.

Images



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

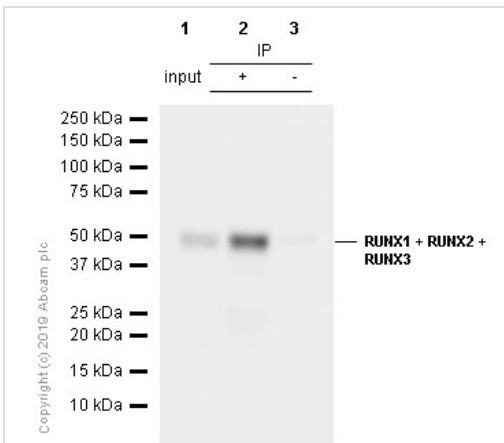
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 49 kDa

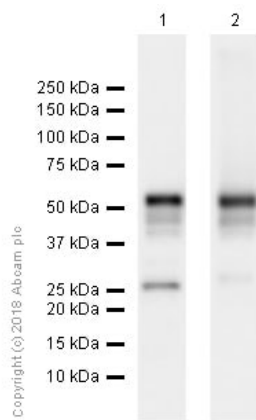
Blocking/Diluting buffer and concentration: 5% NFDm /TBST



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

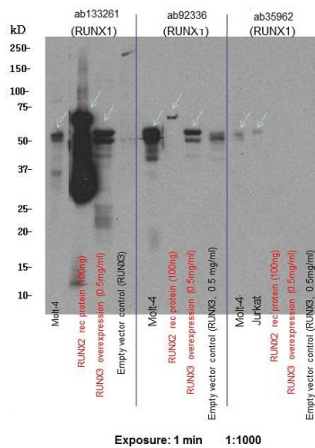
Lysates/proteins at 20 µg per lane.

Secondary

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

Predicted band size: 49 kDa

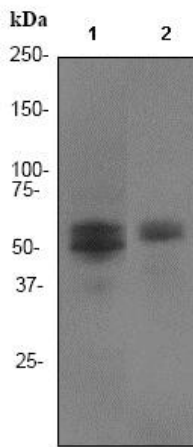
Blocking/Diluting buffer and concentration: 5% NFDM /TBST



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

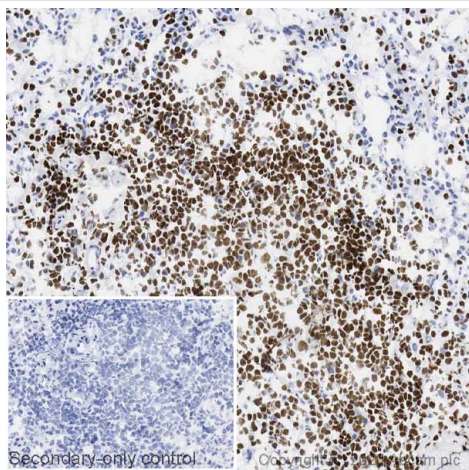
Lane 2 : fetal thymus lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

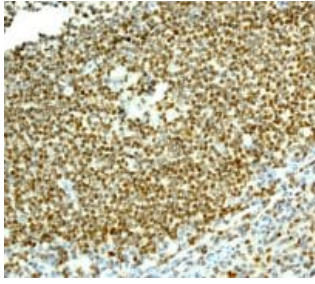
Predicted band size: 49 kDa



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

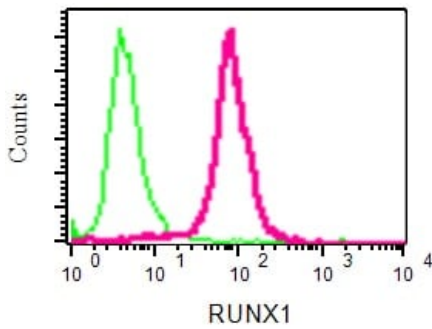
IHC image of RUNX1 / AML1 + RUNX3 + RUNX2 staining in a section of frozen normal human tonsil performed on a Leica BOND™ system using the standard protocol. The section was fixed in 10% paraformaldehyde (10 min) prior to staining. The section was incubated with ab92336, 1/500 dilution, for 15 mins at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

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

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

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

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