abcam

Product datasheet

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

Recombinant RabMAb

9 References 8 Images

Overview

Product name	Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free
Description	Rabbit monoclonal [EPR3099] to RUNX1 / AML1 + RUNX3 + RUNX2 - BSA and Azide free
Host species	Rabbit
Tested applications	**Suitable for:** WB, IHC-P, Flow Cyt, ICC/IF, IP
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide within Human RUNX1/ AML1 (C terminal). The exact sequence is proprietary. (Peptide available as ab177141)
Positive control	WB: MOLT4 cell lysate, fetal thymus tissue lysate. IHC: Human tonsil tissue. IP: MOLT4 cell lysate
General notes	Ab220117 is the carrier-free version of ab92336. This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes. Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency. 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. ab220117 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. *Maxpar® is a trademark of Fluidigm Canada Inc.* Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents. This product is a recombinant rabbit monoclonal antibody.

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 Constituent: PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR3099
Isotype	IgG

Applications

Our Abpromise guarantee covers the use of **ab220117** in the following tested applications.

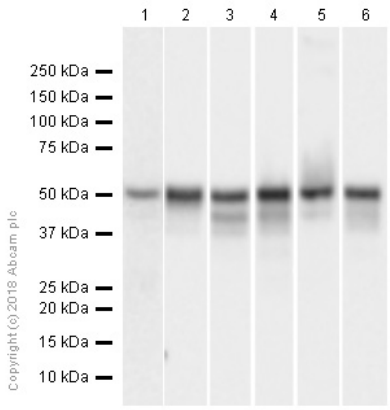
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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.
Flow Cyt		Use at an assay dependent concentration. ab199376 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

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] - BSA and Azide free (ab220117)

All lanes : Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117) at 1/20000 dilution (purified)

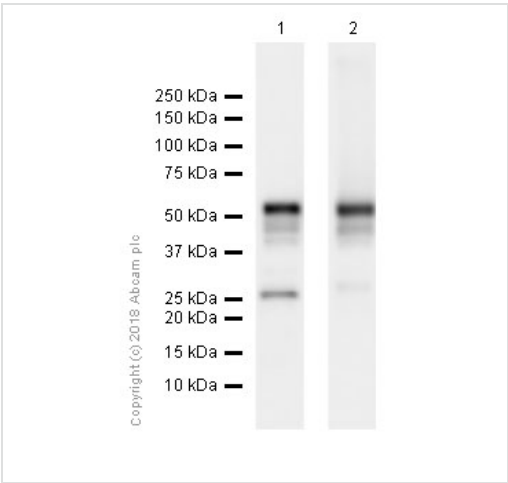
Lane 1 : Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage)whole cell lysate
Lane 2 : MOLT-4 (Human lymphoblastic leukemia T lymphoblast) whole cell lysate
Lane 3 : WEHI-3 (Mouse leukemia lymphoblast) whole cell lysate
Lane 4 : Mouse thymus lysate
Lane 5 : CTLL-2 (Mouse T lymphocyte) 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 1/20000 dilution

Predicted band size: 49 kDa

Blocking and diluting buffer: 5% NFDM/TBST



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.

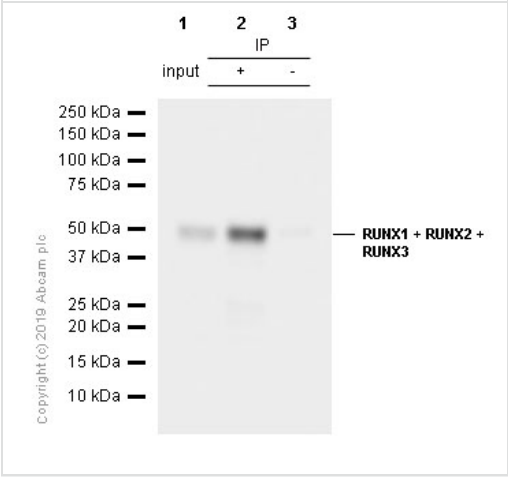
Secondary

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).

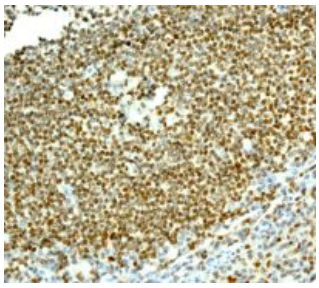


Immunoprecipitation - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

ab92336 (purified) at 1/500 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, 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).

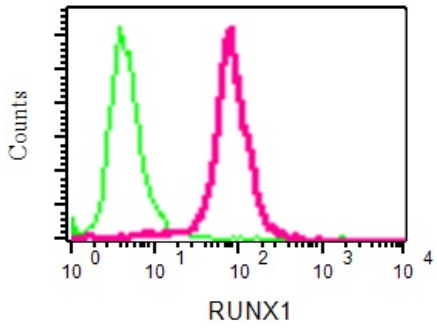


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099] - BSA and Azide free (ab220117)

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

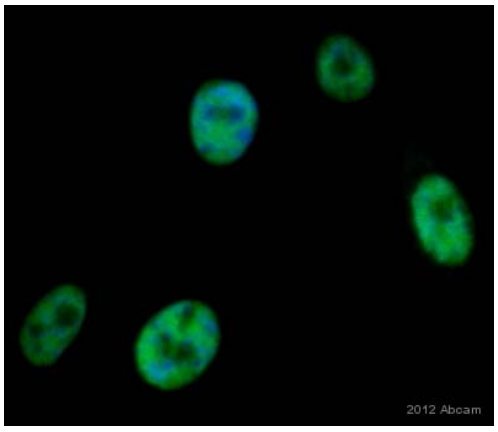
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab92336).

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



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

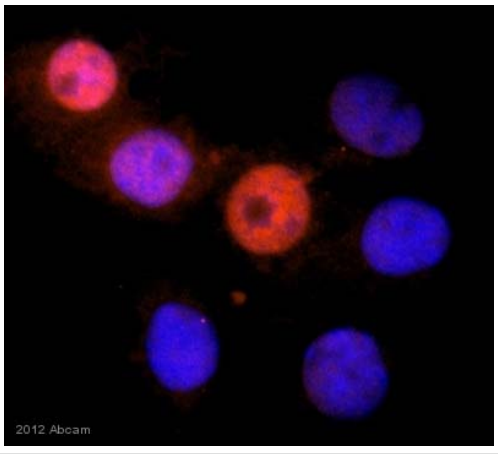
Flow cytometric analysis of permeabilized Molt-4 cells using anti-RUNX1 ab92336 (red) or a rabbit IgG (negative) (green).
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab92336).



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

This image is courtesy of an anonymous Abreview.

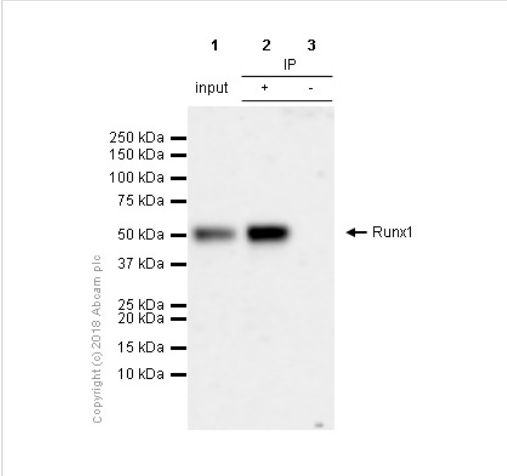
ab92336 staining RUNX1 / AML1 in human glioblastoma cell line by Immunocytochemistry/ Immunofluorescence.
Cells were fixed in paraformaldehyde, permeabilized using 0,1% Triton X 100 in PBS, blocked with 0.5% BSA for 30 minutes at room temperature and then incubated with ab92336 at a 1/50 dilution for 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.

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