### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-RUNX1 / AML1 + RUNX3 + RUNX2 antibody [EPR3099]</th>
</tr>
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<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit monoclonal [EPR3099] to RUNX1 / AML1 + RUNX3 + RUNX2</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB, IP, IHC-P, Flow Cyt, ICC/IF</td>
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<td><strong>Species reactivity</strong></td>
<td>Reacts with: Mouse, Rat, Human</td>
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<td><strong>Immunogen</strong></td>
<td>Synthetic peptide within Human RUNX1/ AML1 (C terminal). The exact sequence is proprietary. (Peptide available as ab177141)</td>
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<td><strong>Positive control</strong></td>
<td>WB: MOLT4 cell lysate, fetal thymus tissue lysate. IHC: Human tonsil tissue.</td>
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<tr>
<td><strong>General notes</strong></td>
<td>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.</td>
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### Properties

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<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
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<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>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.</td>
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</tbody>
</table>
| **Storage buffer** | pH: 7.20  
Preservative: 0.01% Sodium azide  
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant |
| **Purity**   | Tissue culture supernatant |
| **Clonality** | Monoclonal |
| **Clone number** | EPR3099 |
| **Isotype**   | IgG |

### Applications
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.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td></td>
<td>1/5000 - 1/10000. Predicted molecular weight: 49 kDa. Can be blocked with RUNX1 / AML1 peptide (ab177141).</td>
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<tr>
<td>IP</td>
<td></td>
<td>1/50.</td>
</tr>
<tr>
<td>IHC-P</td>
<td></td>
<td>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.</td>
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<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/50. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100 - 1/250.</td>
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</table>

**Target**

**Cellular localization**


**Images**

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

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

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.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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