**Product datasheet**

**Anti-Plzf antibody ab39354**

<table>
<thead>
<tr>
<th>Overview</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product name</strong></td>
<td>Anti-Plzf antibody</td>
</tr>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to Plzf</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: WB</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Mouse, Human, Zebrafish</td>
</tr>
<tr>
<td></td>
<td>Predicted to work with: Rat, Cow</td>
</tr>
<tr>
<td><strong>Immunogen</strong></td>
<td>Synthetic peptide corresponding to Human Plzf aa 650 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab39353</a>)</td>
</tr>
<tr>
<td><strong>Positive control</strong></td>
<td>This antibody gave a positive signal in HL60 and Ramos whole cell lysates.</td>
</tr>
</tbody>
</table>

**Properties**

<table>
<thead>
<tr>
<th>Form</th>
<th>Liquid</th>
</tr>
</thead>
<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 or -80°C. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.40</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.02% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituent: PBS</td>
</tr>
</tbody>
</table>

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

<table>
<thead>
<tr>
<th>Purity</th>
<th>Immunogen affinity purified</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clonality</strong></td>
<td>Polyclonal</td>
</tr>
<tr>
<td><strong>Isotype</strong></td>
<td>IgG</td>
</tr>
</tbody>
</table>

**Applications**

Our [Abpromise guarantee](#) covers the use of **ab39354** in the following tested applications.
Function
Probable transcription factor. May play a role in myeloid maturation and in the development and/or maintenance of other differentiated tissues. Probable substrate-recognition component of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.

Tissue specificity
Within the hematopoietic system, PLZF is expressed in bone marrow, early myeloid cell lines and peripheral blood mononuclear cells. Also expressed in the ovary, and at lower levels, in the kidney and lung.

Pathway
Protein modification; protein ubiquitination.

Involvement in disease
Skeletal defects, genital hypoplasia, and mental retardation
A chromosomal aberration involving ZBTB16 may be a cause of acute promyelocytic leukemia (APL). Translocation t(11;17)(q32;q21) with RARA.

Sequence similarities
Belongs to the krueppel C2H2-type zinc-finger protein family.
Contains 1 BTB (POZ) domain.
Contains 9 C2H2-type zinc fingers.

Cellular localization
Nucleus.

Application | Abreviews | Notes
---|---|---
WB | Use a concentration of 1 µg/ml. Detects a band of approximately 85 kDa (predicted molecular weight: 75 kDa). Can be blocked with Human Plzf peptide (ab39353). |
why is the actual band size different from the predicted?

**Exposure time:** 15 minutes

**All lanes:** Anti-Plzf antibody (ab39354) at 1.25 µg/ml

**Lane 1:** Marker

**Lane 2:** Zebrafish brain homogenate at 20 µg

**Secondary**

**All lanes:** Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 75 kDa

**Observed band size:** 87 kDa why is the actual band size different from the predicted?

**Exposure time:** 5 minutes

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

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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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