Overview

Product name: Anti-1 Afadin antibody
Description: Rabbit polyclonal to 1 Afadin
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-FrFl, IHC-Fr, ICC/IF
Species reactivity: Reacts with: Mouse, Rat, Dog, Human, Monkey
Immunogen: Synthetic peptide conjugated to maleimide-activated KLH, corresponding to amino acids 1817-1829 of Rat 1 Afadin with N-terminal cysteine.
General notes: Storage in frost-free freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

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 or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.40
Preservative: 0.097% Sodium azide
Constituents: 0.0268% PBS, 1% BSA
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab11337 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>
</tr>
</thead>
<tbody>
<tr>
<td>WB</td>
<td>★★★★☆</td>
<td></td>
</tr>
</tbody>
</table>
Application notes

ICC/IF: 1/500 (tested using MDCK cells and cultured human HepG2 cells).
IHC-Fr: 1/1000 (tested in mouse liver sections).

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Function

Belongs to an adhesion system, probably together with the E-cadherin-catenin system, which plays a role in the organization of homotypic, interneuronal and heterotypic cell-cell adherens junctions (AJs). Nectin- and actin-filament-binding protein that connects nectin to the actin cytoskeleton.

Involvement in disease

Note=A chromosomal aberration involving MLLT4 is associated with acute leukemias. Translocation t(6;11)(q27;q23) with MLL/HRX. The result is a rogue activator protein.

Sequence similarities

Contains 1 dilute domain.
Contains 1 FHA domain.
Contains 1 PDZ (DHR) domain.
Contains 2 Ras-associating domains.

Domain

The PDZ/DHR domain interacts with the C-terminus of nectin and the Pro-rich N-terminus domain interacts with F-actin.

Cellular localization

Cell junction > adherens junction. Not found at cell-matrix AJs.

Images

**All lanes** : Anti-α-Actinin antibody (ab11337) at 1/1000 dilution

**Lanes 1-2** : Mouse hippocampal lysates

**Lanes 3-4** : Mouse hippocampal lysates (boiled)

Lysates/proteins at 40 µg per lane.

**Secondary**

**All lanes** : HRP-conjugated goat anti-rabbit at 1/2000 dilution

Developed using the ECL technique.
Performed under non-reducing conditions.

**Observed band size:** 200 kDa

*why is the actual band size different from the predicted?*

**Exposure time:** 10 minutes

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

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