

Datasheet for ABIN7042949

**anti-Astrotactin 1 (ASTN1) (AA 1068-1080), (C-Term),  
(Extracellular) antibody**[Go to Product page](#)**2** Images

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 50 µL  |
| Target:              | Astrotactin 1 (ASTN1)  |
| Binding Specificity: | AA 1068-1080, C-Term, Extracellular  |
| Reactivity:          | Human, Mouse, Rat  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | Un-conjugated  |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC) |

## Product Details

|                  |   |
|------------------|---|
| Immunogen:       | Immunogen: Synthetic peptide<br>Immunogen Sequence: (C)RQEKVTDRMDHDK, corresponding to amino acid residues 1068-1080 of mouse Astrotactin-1   |
| Isotype:         | IgG   |
| Characteristics: | Anti-ASTN1 (extracellular) Antibody (ABIN7042949, ABIN7044732 and ABIN7044733)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot and immunohistochemistry applications. It has been designed to recognize Astrotactin-1 from rat, mouse, and human samples. |
| Purification:    | Affinity purified on immobilized antigen.   |

## Target Details

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|                   |  |
|-------------------|--|
| Target:           | Astrotactin 1 (ASTN1)                    |
| Alternative Name: | ASTN1 ( <a href="#">ASTN1 Products</a> ) |
| Background:       | Alternative names: ASTN1, Astrotactin-1  |
| Gene ID:          | 11899                                    |
| NCBI Accession:   | <a href="#">NM_004319</a>                |
| UniProt:          | <a href="#">Q61137</a>                   |

## Application Details

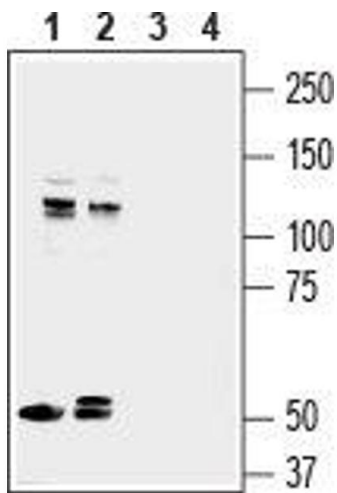
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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

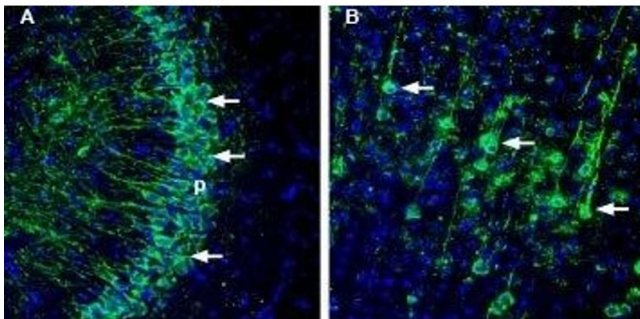
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|                    |   |
|--------------------|---|
| Format:            | Lyophilized   |
| Reconstitution:    | 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.  |
| Concentration:     | 0.8 mg/mL   |
| Buffer:            | Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.  |
| Preservative:      | Sodium azide  |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Storage:           | RT, 4 °C, -20 °C  |
| Storage Comment:   | Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.<br>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min). |



### Western Blotting

**Image 1.** Western blot analysis of mouse brain lysate (lanes 1 and 3) and rat brain lysate (lanes 2 and 4): - 1,2. Anti-ASTN1 (extracellular) Antibody (ABIN7042949, ABIN7044732 and ABIN7044733), (1:200).3,4. Anti-ASTN1 (extracellular) Antibody, preincubated with ASTN1 (extracellular) Blocking Peptide (#BLP-NR151).



### Immunohistochemistry

**Image 2.** Expression of Astrotactin-1 in mouse hippocampus and cortex - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-ASTN1 (extracellular) Antibody (ABIN7042949, ABIN7044732 and ABIN7044733), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. Astrotactin-1 immunoreactivity (green) is observed in neurons (arrows) of hippocampal CA3 pyramidal layer (P). B. Astrotactin-1 staining (green) appears in neurons of cortex (arrows).