

Datasheet for ABIN7042949
**anti-Astrotactin 1 (ASTN1) (AA 1068-1080), (C-Term),
(Extracellular) antibody**

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2 Images

Overview

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

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)RQEKVTDRMDHSK, 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

Target:	Astrotactin 1 (ASTN1)
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Target Details

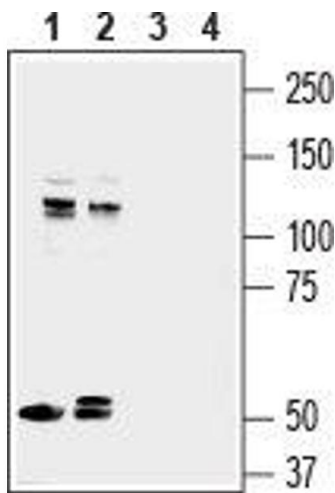
Alternative Name:	ASTN1 (ASTN1 Products)
Background:	Alternative names: ASTN1, Astrotactin-1
Gene ID:	11899
NCBI Accession:	NM_004319
UniProt:	Q61137

Application Details

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

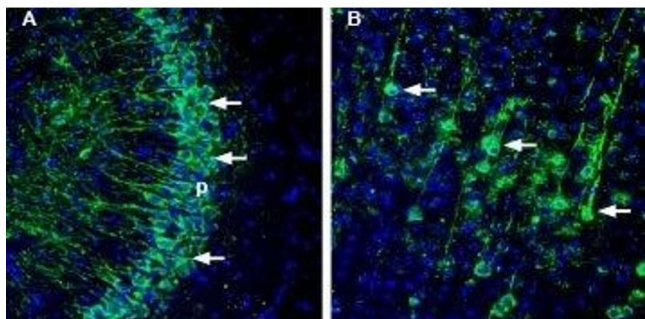
Handling

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:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>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).</p>



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).