Anti-Netrin 1 antibody [EPR5428] ab126729

Overview

Product name: Anti-Netrin 1 antibody [EPR5428]
Description: Rabbit monoclonal [EPR5428] to Netrin 1
Host species: Rabbit
Tested applications: Suitable for: WB
Unsuitable for: ICC/IF or IHC-P
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide (the amino acid sequence is considered to be commercially sensitive) within Human Netrin 1 aa 550 to the C-terminus. The exact sequence is proprietary.
Database link: O95631
(Peptide available as ab192272)

General notes

This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

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.
Stable for 12 months at -20°C.

Storage buffer
pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 59% PBS, 40% Glycerol, 0.05% BSA

Purity
Protein A purified

Clonality
Monoclonal

Clone number
EPR5428

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab126729 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<td>WB</td>
<td>⭐⭐⭐⭐⭐ 1/500 - 1/10000. Detects a band of approximately 75 kDa (predicted molecular weight: 67 kDa). Can be blocked with Netrin 1 peptide (ab192272).</td>
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Application notes
Is unsuitable for ICC/IF or IHC-P.

Target

Function
Netrins control guidance of CNS commissural axons and peripheral motor axons. Its association with either DCC or some UNC5 receptors will lead to axon attraction or repulsion, respectively. It also serve as a survival factor via its association with its receptors which prevent the initiation of apoptosis. Involved in tumorigenesis by regulating apoptosis.

Tissue specificity
Widely expressed in normal adult tissues with highest levels in heart, small intestine, colon, liver and prostate. Reduced expression in brain tumors and neuroblastomas.

Sequence similarities
Contains 3 laminin EGF-like domains.
Contains 1 laminin N-terminal domain.
Contains 1 NTR domain.

Cellular localization
Secreted > extracellular space > extracellular matrix.

Images
**All lanes**: Anti-Netrin 1 antibody [EPR5428] (ab126729) at 1/500 dilution

**Lane 1**: Rat brain lysates prepared in RIPA lysis method  
**Lane 2**: Rat brain lysates prepared in 1% SDS Hot lysis method  

Lysates/proteins at 20 µg per lane.

**Secondary**  
**All lanes**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution (Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated)

Developed using the ECL technique.

**Predicted band size**: 67 kDa  
**Observed band size**: 75 kDa  
why is the actual band size different from the predicted?

**Exposure time**: 180 seconds

Blocking/Diluting buffer and concentration: 5% NFDM/TBST

**All lanes**: Anti-Netrin 1 antibody [EPR5428] (ab126729) at 1/1000 dilution (purified)

**Lane 1**: Mouse kidney tissue lysate  
**Lane 2**: Mouse heart tissue lysate  
**Lane 3**: Rat kidney tissue lysate  

Lysates/proteins at 20 µg per lane.

**Secondary**  
**All lanes**: Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution  

**Predicted band size**: 67 kDa
Observed band size: 75 kDa why is the actual band size different from the predicted?

Blocking and dilution buffer: 5% NFDM/TBST.

Anti-Netrin 1 antibody [EPR5428] (ab126729) (purified) + Human fetal brain tissue lysate at 20 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/50000 dilution

Predicted band size: 67 kDa
Observed band size: 75 kDa why is the actual band size different from the predicted?

Blocking and dilution buffer: 5% NFDM/TBST.

All lanes: Anti-Netrin 1 antibody [EPR5428] (ab126729) at 1/1000 dilution (unpurified)

Lane 1: Human fetal brain lysate
Lane 2: Human small intestine lysate

Lysates/proteins at 10 µg per lane.

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

Predicted band size: 67 kDa

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

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