

## Product datasheet

### Anti-Netrin 1 antibody [EPR5428] ab126729

Recombinant RabMAb

★★★★★ **3 Abreviews** **40 References** [5 Images](#)

#### Overview

<b>Product name</b>	Anti-Netrin 1 antibody [EPR5428]
<b>Description</b>	Rabbit monoclonal [EPR5428] to Netrin 1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> ICC/IF or IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. (Peptide available as <a href="#">ab192272</a> )
<b>Positive control</b>	WB: Human fetal brain, human small intestine, mouse kidney, mouse heart, rat kidney and brain tissue lysates.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> .  Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR5428

Isotype

IgG

## Applications

### The Abpromise guarantee

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.

Application	Abreviews	Notes
WB	★★★★★ (3)	1/500 - 1/10000. Detects a band of approximately 75 kDa (predicted molecular weight: 67 kDa).

### 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.

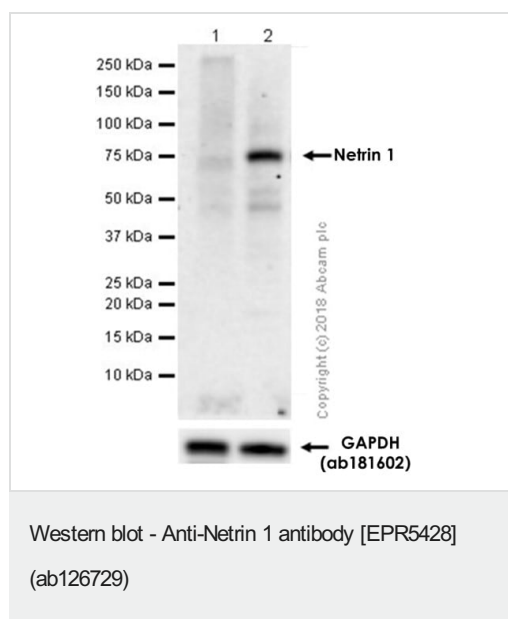
### Sequence similarities

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

### Cellular localization

Secreted > extracellular space > extracellular matrix.

## Images



Western blot - Anti-Netrin 1 antibody [EPR5428]  
(ab126729)

**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)

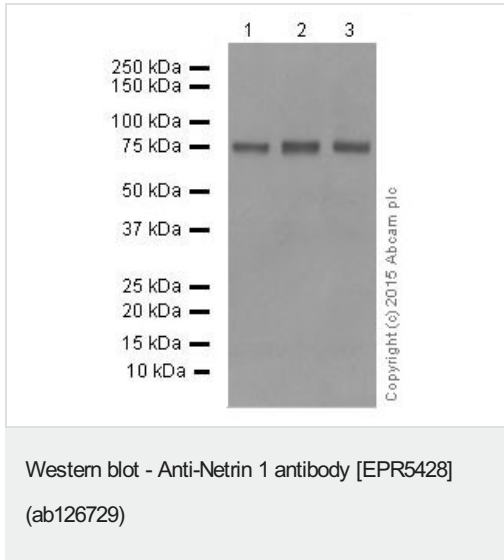
Developed using the ECL technique.

**Predicted band size:** 67 kDa

**Observed band size:** 75 kDa

**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.

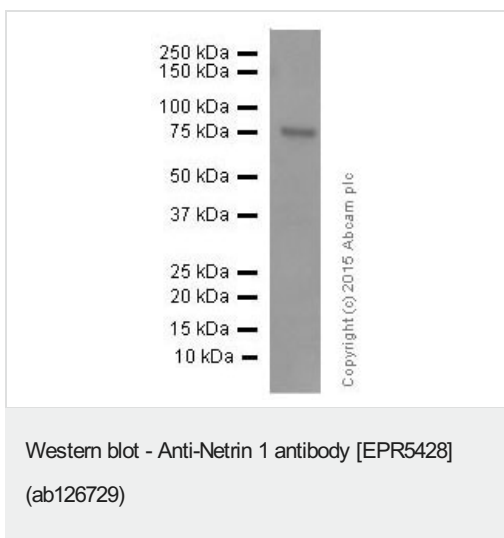
#### Secondary

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

**Predicted band size:** 67 kDa

**Observed band size:** 75 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Anti-Netrin 1 antibody [EPR5428] (ab126729) at 1/1000 dilution (purified) + Human fetal brain tissue lysate at 20 µg

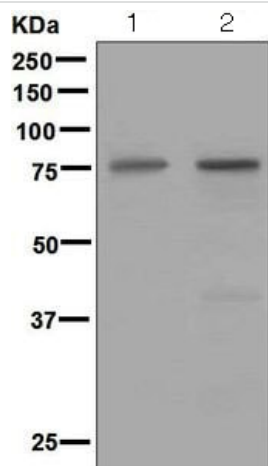
#### Secondary

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

**Predicted band size:** 67 kDa

**Observed band size:** 75 kDa

Blocking and dilution buffer: 5% NFDM/TBST.



Western blot - Anti-Netrin 1 antibody [EPR5428] (ab126729)

**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

#### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Netrin 1 antibody [EPR5428] (ab126729)

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

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