

## Product datasheet

### Anti-alpha Internexin antibody [EPR1529] ab108302

Recombinant RabMAb

★★★★★ [1 Abreviews](#) [7 Images](#)

#### Overview

<b>Product name</b>	Anti-alpha Internexin antibody [EPR1529]
<b>Description</b>	Rabbit monoclonal [EPR1529] to alpha Internexin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P <b>Unsuitable for:</b> Flow Cyt or IP
<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.
<b>Positive control</b>	SH-SY5Y cell lysate, Y79 cell lysate, mouse brain lysate, rat brain lysate, human brain tissue.
<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 -20°C. Stable for 12 months at -20°C.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR1529
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab108302 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	★★★★★ (1)	1/10000 - 1/50000. Predicted molecular weight: 55 kDa.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Application notes

Is unsuitable for Flow Cyt or IP.

## Target

### Function

Class-IV neuronal intermediate filament that is able to self-assemble. It is involved in the morphogenesis of neurons. It may form an independent structural network without the involvement of other neurofilaments or it may cooperate with NF-L to form the filamentous backbone to which NF-M and NF-H attach to form the cross-bridges.

### Tissue specificity

Found predominantly in adult CNS.

### Sequence similarities

Belongs to the intermediate filament family.

### Developmental stage

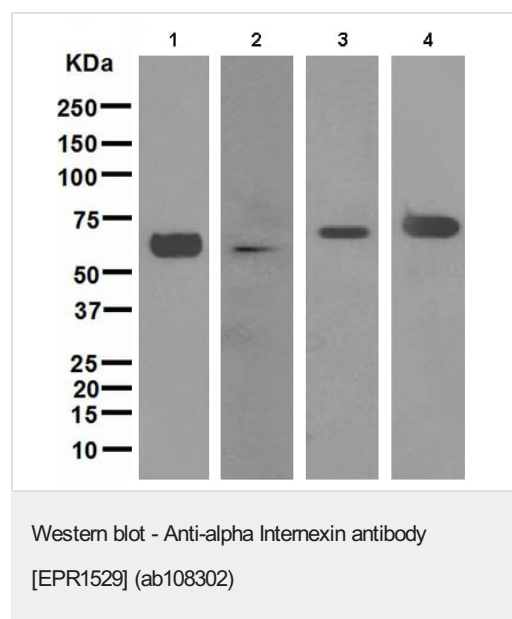
Expressed in brain as early as the 16th week of gestation, and increased rapidly and reached a steady state level by the 18th week of gestation.

### Post-translational modifications

O-glycosylated.

Phosphorylated upon DNA damage, probably by ATM or ATR.

## Images



**All lanes :** Anti-alpha Internexin antibody [EPR1529] (ab108302) at 1/10000 dilution

**Lane 1 :** SH-SY5Y cell lysate

**Lane 2 :** Y79 cell lysate

**Lane 3 :** Mouse brain lysate

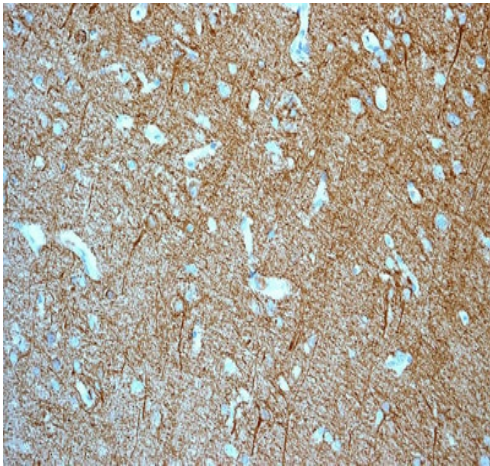
**Lane 4 :** Rat brain lysate

Lysates/proteins at 10 µg per lane.

Performed under reducing conditions.

**Predicted band size:** 55 kDa

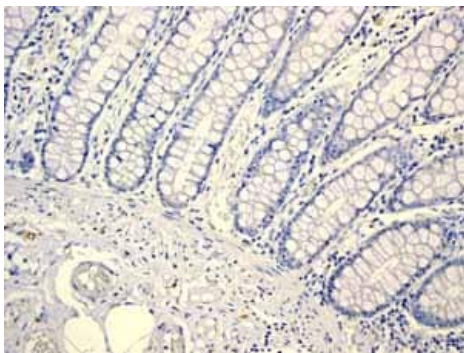
Secondary antibody - goat **anti-rabbit HRP (ab6721)**



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Internexin antibody [EPR1529] (ab108302)

ab108302, at 1/250, staining alpha Internexin in human brain tissue by immunohistochemistry.

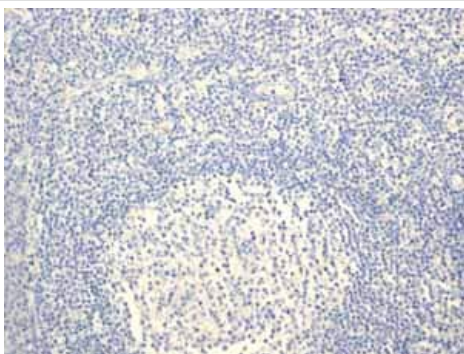
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Internexin antibody [EPR1529] (ab108302)

ab108302 showing negative staining in Normal human colon tissue.

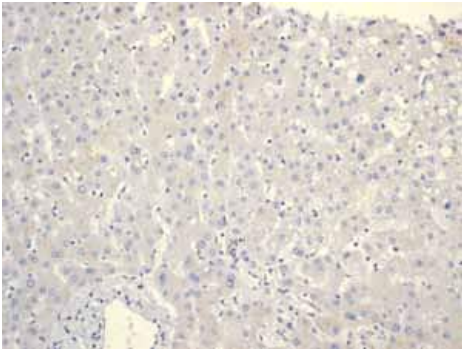
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Internexin antibody [EPR1529] (ab108302)

ab108302 showing negative staining in Normal human tonsil tissue.

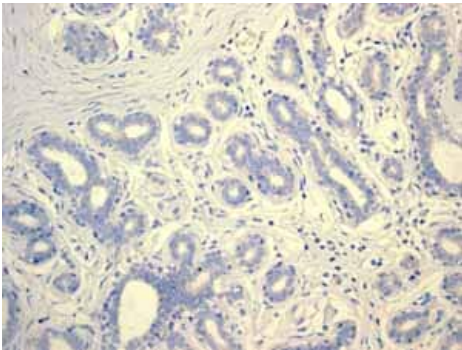
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Internexin antibody [EPR1529] (ab108302)

ab108302 showing negative staining in Normal human liver tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-alpha Internexin antibody [EPR1529] (ab108302)

ab108302 showing negative staining in Normal human breast tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### 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-alpha Internexin antibody [EPR1529]  
(ab108302)

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

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- Response to your inquiry within 24 hours
  
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- Extensive multi-media technical resources to help you
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