


## Product datasheet

### Anti-GARNL1 antibody [EPR13592-38] ab182570

Recombinant RabMAb

5 Images

#### Overview

<b>Product name</b>	Anti-GARNL1 antibody [EPR13592-38]
<b>Description</b>	Rabbit monoclonal [EPR13592-38] to GARNL1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	293 and HeLa cell lysate; Human kidney tissue; HeLa cells.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

#### 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 long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13592-38
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab182570 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		1/10000 - 1/100000. Detects a band of approximately 280 kDa (predicted molecular weight: 230 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/100.

## Target

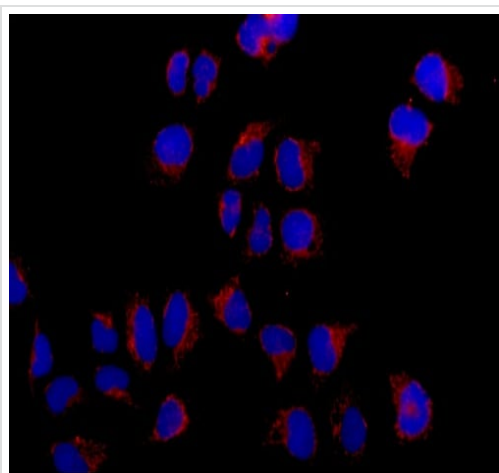
### Relevance

GTPase activating Rap/RanGAP domain-like 1 (GARNL1) is an interacting partner of the transcription factor TCF3/isoform E12, mainly in the developing embryonic forebrain. It may be an important transcriptional regulator of downstream target genes under the control of TCF3/E12, by disrupting HLH dimer formation of TCF3/E12 with other proteins and may be involved in neuronal differentiation.

### Cellular localization

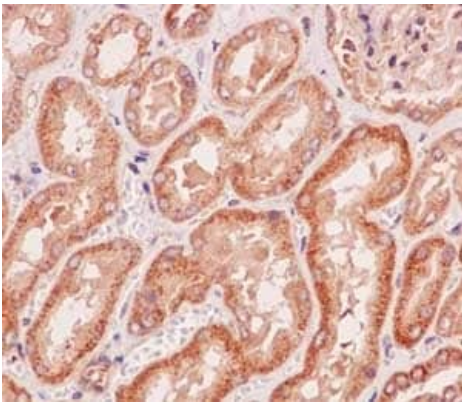
Cytoplasmic and Nuclear. Translocated to the nucleus when associated with TCF3/E12

## Images



Immunofluorescence analysis of HeLa cells labeling GARNL1 using ab182570 at 1/100 dilution. A Goat anti rabbit IgG (Alexa Fluor555) at 1/200 dilution was used as secondary antibody. Cells were fixed with -20°C Acetone. Counterstain: DAPI.

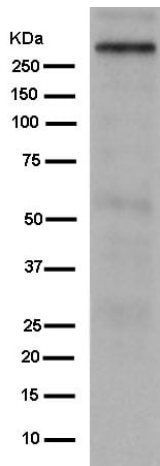
Immunocytochemistry/ Immunofluorescence - Anti-GARNL1 antibody [EPR13592-38] (ab182570)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GARNL1 antibody [EPR13592-38] (ab182570)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labeling GARNL1 using ab182570 at 1/100 dilution. A Ready to use HRP Polymer for Rabbit IgG was used as a secondary. Counterstain: Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



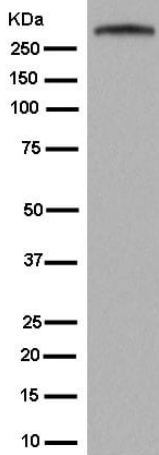
Western blot - Anti-GARNL1 antibody [EPR13592-38] (ab182570)

Anti-GARNL1 antibody [EPR13592-38] (ab182570) at 1/100000 dilution + HeLa cell lysate at 1/10 dilution

#### **Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 230 kDa



Western blot - Anti-GARNL1 antibody [EPR13592-38] (ab182570)

Anti-GARNL1 antibody [EPR13592-38] (ab182570) at 1/100000 dilution + 293 cell lysate at 20 µg

**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 230 kDa

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

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

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