




# Anti-Neurogranin antibody ab99269

[1 References](#) [3 Images](#)

## Overview

<b>Product name</b>	Anti-Neurogranin antibody
<b>Description</b>	Goat polyclonal to Neurogranin
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human <b>Predicted to work with:</b> Cow, Dog 
<b>Immunogen</b>	Synthetic peptide: C-KIKSGERGRKG , corresponding to internal sequence amino acids 45-55 of Human Neurogranin (NP_006167.1).  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human brain cerebral cortex lysate, Human brain hippocampus lysate, Mouse brain lysate and Rat brain lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

## Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	ab99269 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab99269 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
<b>IHC-P</b>		Use a concentration of 4 - 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
<b>WB</b>		Use a concentration of 0.1 - 0.3 µg/ml. Detects a band of approximately 15 kDa (predicted molecular weight: 8 kDa). A 1 hour primary incubation is recommended for this product. An approximately 15 kDa band is observed in Human Brain (Cerebral Cortex and Hippocampus), and in Mouse Brain and Rat Brain lysates. There is also an additional 16kDa band. The observed molecular weights correspond to earlier findings in the

## Target

<b>Function</b>	Acts as a "third messenger" substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling. Binds to calmodulin in the absence of calcium.
<b>Tissue specificity</b>	In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.
<b>Sequence similarities</b>	Belongs to the neurogranin family. Contains 1 collagen-like domain. Contains 1 IQ domain.

## Images



Western blot - Anti-Neurogranin antibody (ab99269)

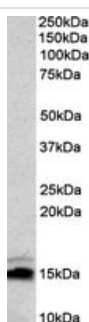
**All lanes :** Anti-Neurogranin antibody (ab99269) at 2 µg/ml

**Lane 1 :** Human cerebellum lysates

**Lane 2 :** Rat brain lysates

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 8 kDa



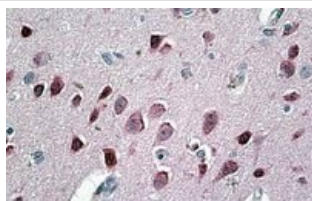
Western blot - Anti-Neurogranin antibody (ab99269)

Anti-Neurogranin antibody (ab99269) at 0.1 µg/ml + Mouse brain lysate in RIPA buffer at 35 µg

Developed using the ECL technique.

**Predicted band size:** 8 kDa

Primary incubation was 1 hour.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurogranin antibody (ab99269)

ab99269 (3.8µg/ml) staining of paraffin embedded Human Cortex shows cytoplasm staining in the neuronal cell bodies. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

**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

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors