




# Anti-Neurogranin antibody ab99269

**1 References**   **3 图像**

### 概述

产品名称	Anti-Neurogranin抗体
描述	山羊多克隆抗体to Neurogranin
宿主	Goat
经测试应用	适用于: IHC-P, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cow, Dog 
免疫原	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>
阳性对照	Human brain cerebral cortex lysate, Human brain hippocampus lysate, Mouse brain lysate and Rat brain lysate.
常规说明	<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>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
纯度	Immunogen affinity purified
纯化说明	ab99269 was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab99269于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 4 - 6 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		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

靶标

功能	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.
组织特异性	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.
序列相似性	Belongs to the neurogranin family. Contains 1 collagen-like domain. Contains 1 IQ domain.

图片



Western blot - Anti-Neurogranin antibody (ab99269)

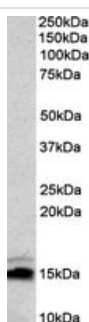
**All lanes :** Anti-Neurogranin antibody (ab99269) at 2 µg/ml

**Lane 1 :** Human cerebellum lysates

**Lane 2 :** Rat brain lysates

Lysates/proteins at 35 µg per lane.

**Predicted band size:** 8 kDa



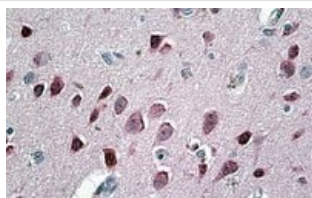
Western blot - Anti-Neurogranin antibody (ab99269)

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"

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