

Anti-Neurogranin antibody [EPR21152] ab217672

重组 RabMAb

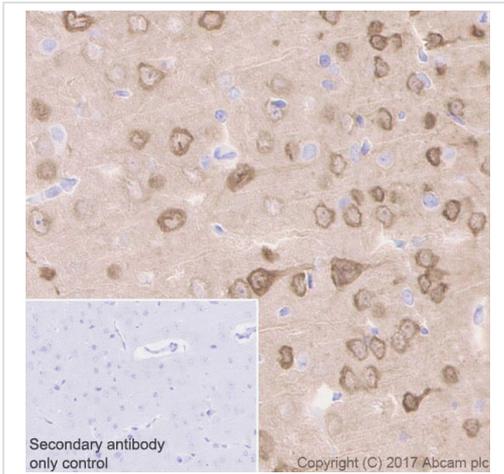
★★★★★ **3 Abreviews** **3 References** **9 图像**

概述

产品名称	Anti-Neurogranin抗体[EPR21152]
描述	兔单克隆抗体[EPR21152] to Neurogranin
宿主	Rabbit
经测试应用	适用于: IHC-Fr, WB, IHC-P, IP, ICC/IF
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Common marmoset 
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human fetal brain lysate and brain cortex lysate; mouse cerebral cortex lysate. Rat brain lysate. IHC-P: Human cerebellum tissue; mouse and rat cerebrum tissue. IHC-Fr: Mouse and rat hippocampus CA1 tissue. IP: Mouse cerebral cortex lysate. ICC/IF: Primary rat cortical neurons
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

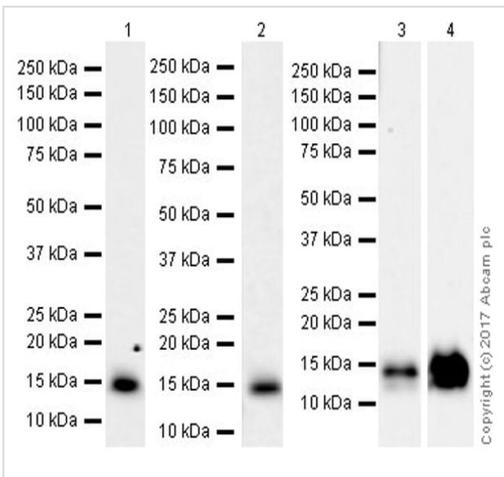


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurogranin antibody [EPR21152] (ab217672)

Immunohistochemical analysis of paraffin-embedded rat cerebrum tissue labeling Neurogranin with ab217672 at 1/5000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Mainly cytoplasmic staining on rat cerebrum (PMID: 26076492) is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).



Western blot - Anti-Neurogranin antibody [EPR21152] (ab217672)

All lanes : Anti-Neurogranin antibody [EPR21152] (ab217672) at 1/1000 dilution

Lane 1 : Human fetal brain lysate at 10 µg

Lane 2 : Human brain cortex lysate at 10 µg

Lane 3 : Mouse cerebral cortex lysate at 20 µg

Lane 4 : Rat brain lysate at 20 µg

Secondary

Lanes 1-2 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/50000 dilution

Lanes 3-4 : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Developed using the ECL technique.

Predicted band size: 8 kDa

Observed band size: 15 kDa

Blocking/Dilution buffer and concentration: 5% NFDM/TBST.

Exposure times:

Lane 1: 32 seconds

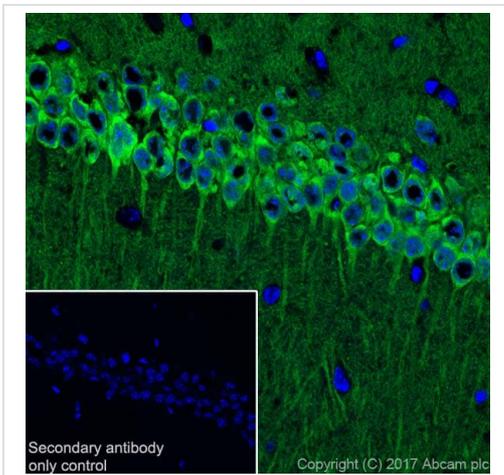
Lane 2: 101 seconds

Lane 3: 85 seconds

Lane 4: 3 minutes

The observed molecular mass is consistent with the literature (PMID 17505539).

The blot was developed on a BIO-RAD® ChemiDoc™ MP instrument.

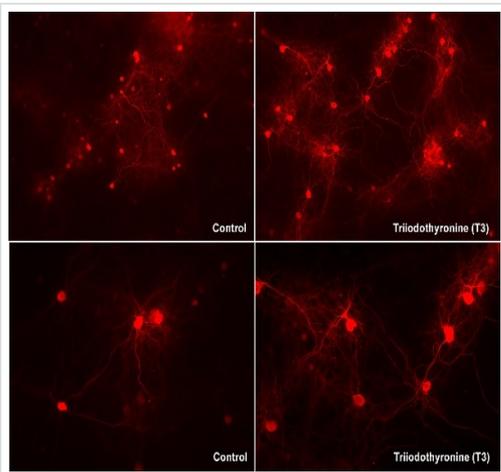


Immunohistochemistry (Frozen sections) - Anti-Neurogranin antibody [EPR21152] (ab217672)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen mouse hippocampus CA1 tissue labeling Neurogranin with ab217672 at 1/3000 dilution (green), followed by **ab150077** AlexaFluor®488 Goat anti-Rabbit secondary at a 1/1000 dilution. Positive staining in the stratum pyramidal neurons of hippocampus CA1 on mouse brain (PMID: 15389631; 21516261) is observed. Counter stained with DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is **ab150077** AlexaFluor®488 Goat anti-Rabbit used at a 1/1000 dilution.

Perform heat-mediated antigen retrieval by using sodium citrate buffer (10 mM citrate pH 6.0 + 0.05% Tween-20)

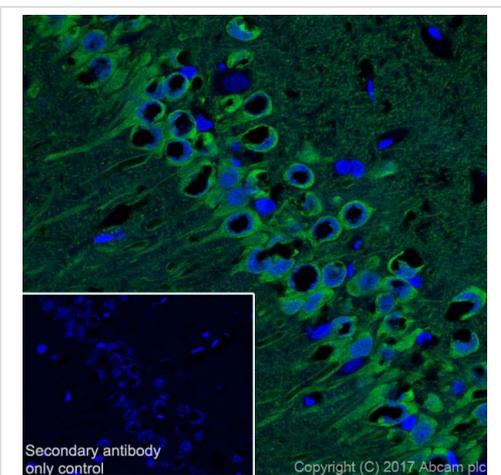


Immunocytochemistry/ Immunofluorescence - Anti-Neurogranin antibody [EPR21152] (ab217672)

Image courtesy of Ms. Babben Tinner, QBM Cell Science.

Immunocytochemistry/ Immunofluorescence analysis of primary rat cortical neurons labeling Neurogranin with ab217672 at 1/1500. The cells were fixed with 4% paraformaldehyde containing 0.2% picric acid in 0.1M phosphate buffer, pH 6.9 for 20 minutes. Permeabilization was with 0.3% Triton-X 100 in PBS (PBSTx). **ab150068** at 1/200 was used as the secondary antibody. The rat cortical neurons were cultured for 29 days *in vitro*. They were either left untreated (Control) or treated beginning on the 10th day with 60ng/mL triiodothyronine (T3), to enhance neurogranin expression.

The cells were visualized with an inverted microscope at 10X magnification (upper panels) or 20X magnification (lower panels).

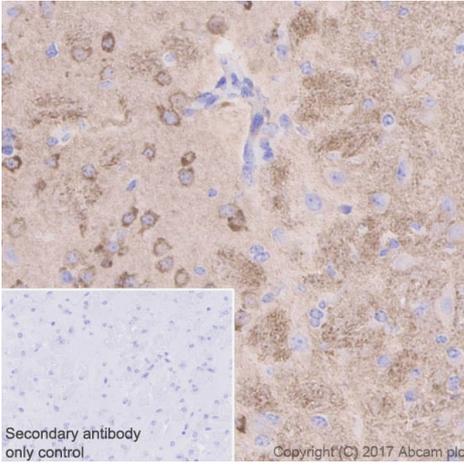


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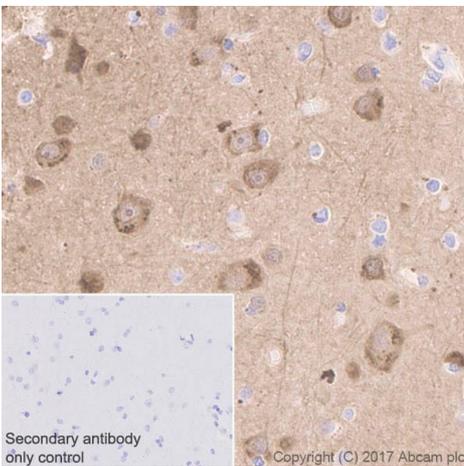


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurogranin antibody [EPR21152] (ab217672)

Immunohistochemical analysis of paraffin-embedded mouse cerebrum tissue labeling Neurogranin with ab217672 at 1/5000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Mainly cytoplasmic staining on mouse cerebrum (PMID: 26076492) is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

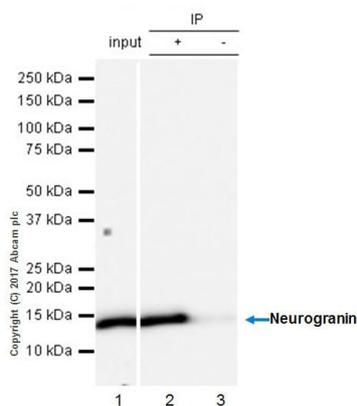


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Neurogranin antibody [EPR21152] (ab217672)

Immunohistochemical analysis of paraffin-embedded human cerebrum tissue labeling Neurogranin with ab217672 at 1/5000 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Mainly cytoplasmic but also weak nuclear staining on human cerebrum (PMID: 26076492; PMID: 21516261) is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP).

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).



Immunoprecipitation - Anti-Neurogranin antibody
[EPR21152] (ab217672)

Neurogranin was immunoprecipitated from 0.35 mg mouse cerebral cortex lysate with ab217672 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab217672 at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/5,000 dilution.

Lane 1: Mouse cerebral cortex lysate 10 µg (Input).

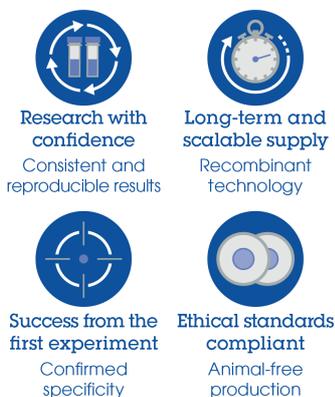
Lane 2: ab217672 IP in mouse cerebral cortex lysate (+).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab217672 in mouse cerebral cortex lysate (-).

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 15 seconds.

Why choose a recombinant antibody?



Anti-Neurogranin antibody [EPR21152] (ab217672)

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