

Anti-Parvalbumin antibody ab11427

★★★★★ [30 Abreviews](#) [253 References](#) [8 图像](#)

概述

产品名称	Anti-Parvalbumin抗体
描述	兔多克隆抗体to Parvalbumin
宿主	Rabbit
经测试应用	适用于: ICC/IF, IHC-P
种属反应性	与反应: Rat, Human
免疫原	Full length native protein (purified) corresponding to Rat Parvalbumin. Purified parvalbumin from rat skeletal muscle.
阳性对照	ICC/IF: U251, HeLa, C6, and rat cordical cells; IHC-P: Human tonsil, cerebellum and skeletal muscle tissue sections.
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&As</p>

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. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 6.50</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 2% BSA, 1.62% Sodium phosphate</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab11427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
ICC/IF	★★★★★ (5)	1/100 - 1/200.
IHC-P	★★★★★ (5)	Use a concentration of 1 µg/ml.

靶标

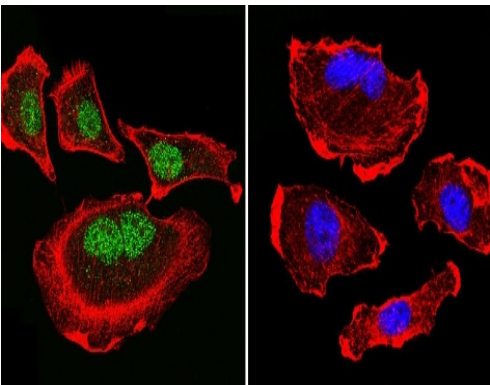
功能

In muscle, parvalbumin is thought to be involved in relaxation after contraction. It binds two calcium ions.

序列相似性

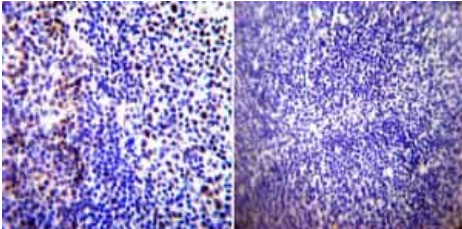
Belongs to the parvalbumin family.
Contains 2 EF-hand domains.

图片



Immunocytochemistry/Immunofluorescence analysis of U251 cells labeling Parvalbumin (green) with ab11427 at 1/200. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.

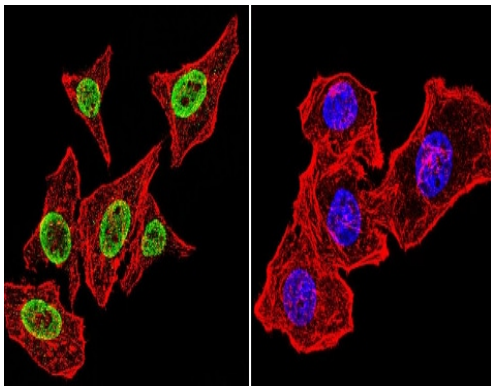
Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parvalbumin antibody (ab11427)

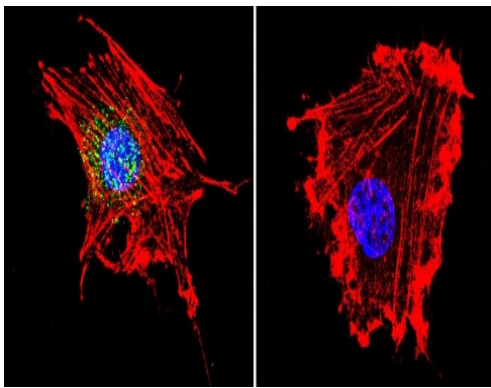
Immunohistochemistry was performed on normal biopsies of deparaffinized Human tonsil tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:100 with a rabbit polyclonal antibody recognizing Parvalbumin ab11427 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were

counterstained with hematoxylin and prepped for mounting.



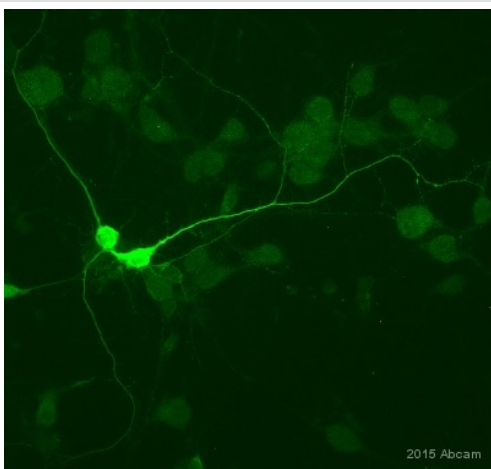
Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labeling Parvalbumin (green) with ab11427 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)

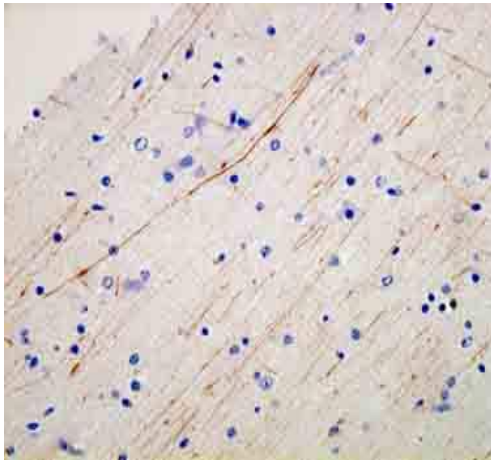
Immunocytochemistry/Immunofluorescence analysis of C6 (rat glial tumor cell line) cells labeling Parvalbumin (green) with ab11427 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary antibody was used. 60X magnification. Right - negative control.



Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)

Image is courtesy of an AbReview submitted by Ms Babben Tinner.

Immunocytochemical immunofluorescence analysis of 4% PFA & 0.2% Picric acid fixed rat cordical cells in culture, labelling parvalbumin with ab11427 at a dilution of 1/500 incubated for 12 hours at 4°C in 10mM PBS & 0.03% Triton X diluent blend. The secondary was a Donkey anti-Rabbit polyclonal Alexa Fluor® 488 conjugate at 1/200.

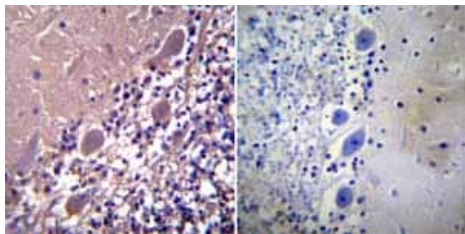


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parvalbumin antibody (ab11427)

Image courtesy of an anonymous Abreview.

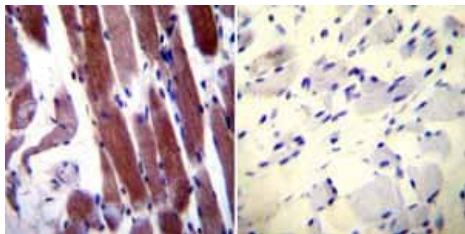
ab11427 staining Parvalbumin in human brain tissue sections by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue was fixed in formaldehyde and a heat mediated antigen retrieval step was performed using EDTA pH 8.0 for 20 minutes at 100°C. Samples were then incubated with ab11427 at a 1/1000 dilution for 20 minutes at 25°C. The secondary used was an undiluted HRP conjugated goat anti-mouse/ rabbit IgG.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parvalbumin antibody (ab11427)

Immunohistochemistry was performed on normal biopsies of deparaffinized Human cerebellum tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:100 with a rabbit polyclonal antibody recognizing Parvalbumin [ab114227](#) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Parvalbumin antibody (ab11427)

Immunohistochemistry was performed on normal biopsies of deparaffinized Human skeletal muscle tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rabbit polyclonal antibody recognizing Parvalbumin ab11427 or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP

followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

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