abcam

Product datasheet

Anti-Parvalbumin antibody ab11427

30 Abreviews 253 References 画像数 8

製品の概要

製品名	Anti-Parvalbumin antibody
製品の詳細	Rabbit polyclonal to Parvalbumin
由来種	Rabbit
アプリケーション	**適用あり:** ICC/IF, IHC-P
種交差性	**交差種:** Rat, Human
免疫原	Full length native protein (purified) corresponding to Rat Parvalbumin. Purified parvalbumin from rat skeletal muscle.
ポジティブ・コントロール	ICC/IF: U251, HeLa, C6, and rat cordical cells; IHC-P: Human tonsil, cerebellum and skeletal muscle tissue sections.
特記事項	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. 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

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 6.50 Preservative: 0.1% Sodium azide Constituents: 2% BSA, 1.62% Sodium phosphate
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、** 次のテスト済みアプリケーションにおけるab11427の使用に適用されます

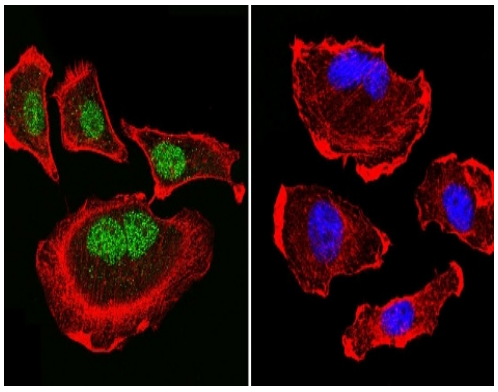
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★☆ (5)	1/100 - 1/200.
IHC-P	★★★★★ (5)	Use a concentration of 1 µg/ml.

ターゲット情報

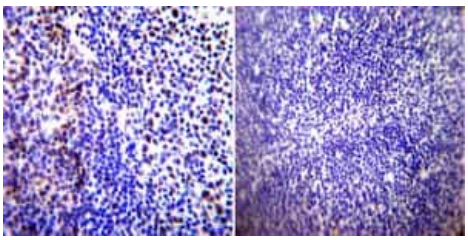
機能	In muscle, parvalbumin is thought to be involved in relaxation after contraction. It binds two calcium ions.
配列類似性	Belongs to the parvalbumin family. Contains 2 EF-hand domains.

画像



Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)

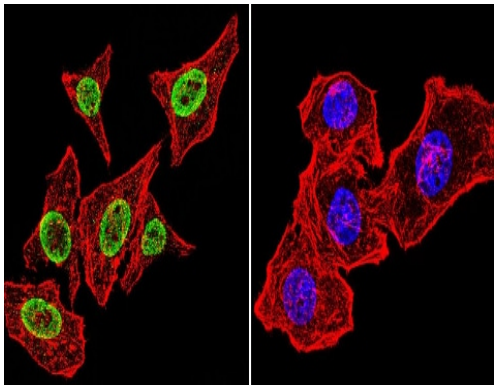
Immunocytochemistry/Immunofluorescence analysis of U251 cells labeling Parvalbumin (green) with ab11427 at 1/200. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. A DyLight 488-conjugated secondary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



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

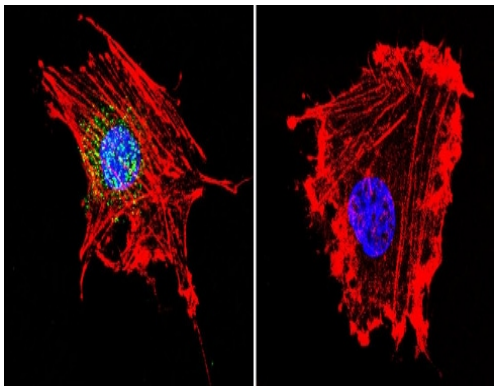
Immunohistochemistry was performed on normal biopsies of deparaffinized Human tonsil tissue. To expose target proteins heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 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.



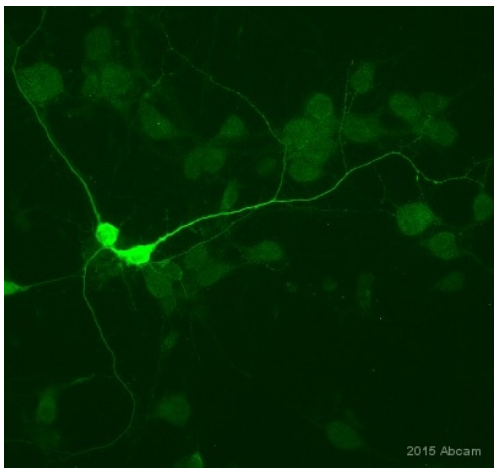
Immunocytochemistry/ Immunofluorescence - Anti-Parvalbumin antibody (ab11427)

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)

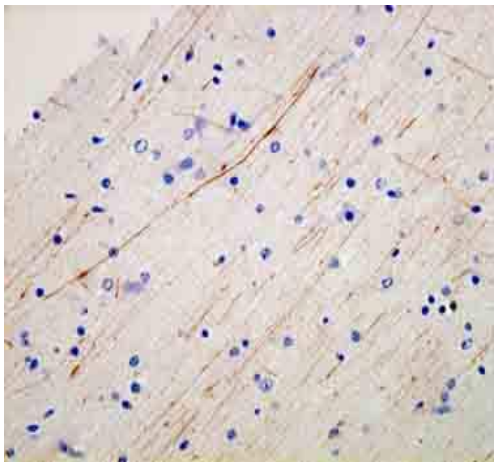
Immunocytochemistry/Immunofluorescence analysis of C6 (rat glial tumor cell line) cells labeling Parvalbumin (green) with ab11427 at 1/100. F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue). Cells were fixed with formaldehyde and incubated with the primary antibody overnight at 4°C. 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.

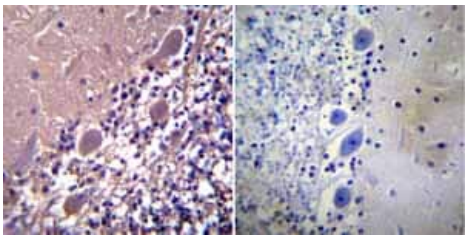
Immunocytochemcial immunofluorescence analysis of 4% PFA & 0.2% Picric acid fixed rat cordical cells in culture, labelling parvalbumin with ab11427 at a dilution of 1/500 incubated for 12 hours at 4°C in 10mM PBS & 0.03% Triton X diluent blend. The secondary was a Donkey anti-Rabbit polyclonal Alexa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



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

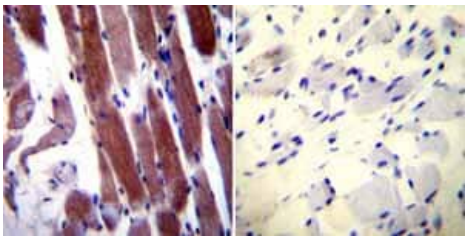
Image courtesy of an anonymous Abreview.

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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