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Parvalbumin/PVALB Rabbit mAb

Catalog No.: A19098 Recombinant 1 Publications

Basic Information

Observed MW
12 kDa

Calculated MW
12 kDa

Category
Primary antibody

Applications
WB,IF-F,IF-P,IHC-P,mIHC,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC0385

Background

The protein encoded by this gene is a high affinity calcium ion-binding protein that is structurally and functionally similar to calmodulin and troponin C. The encoded protein is thought to be involved in muscle relaxation. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:1000 - 1:3000
IF-F	1:200 - 1:800
IF-P	1:100 - 1:1000
IHC-P	1:200 - 1:2000
mIHC-P	1:1000 - 1:4000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5816

Swiss Prot
P20472

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
D22S749; Parvalbumin (PVALB)

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

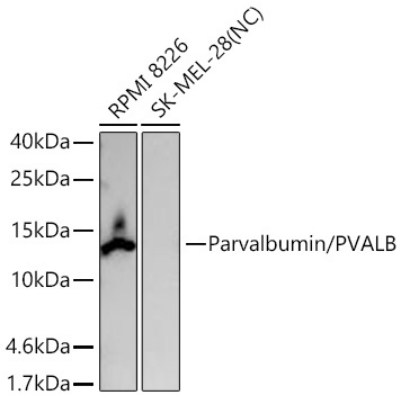
Contact

400-999-6126

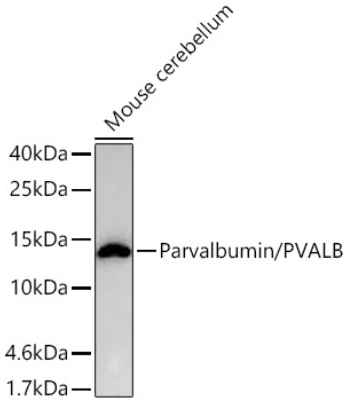
cn.market@abclonal.com.cn

www.abclonal.com.cn

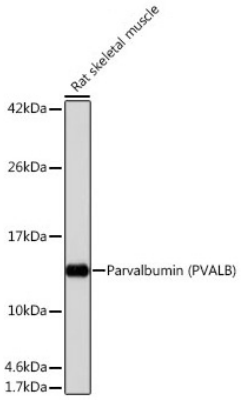
Validation Data



Western blot analysis of various lysates using Parvalbumin/PVALB Rabbit mAb (A19098) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): SK-MEL-28.
Exposure time: 1 s.

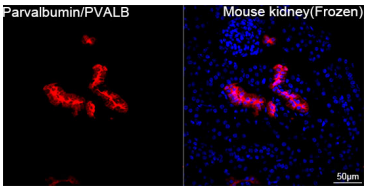


Western blot analysis of lysates from Mouse cerebellum using Parvalbumin/PVALB Rabbit mAb (A19098) at 1:1000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.

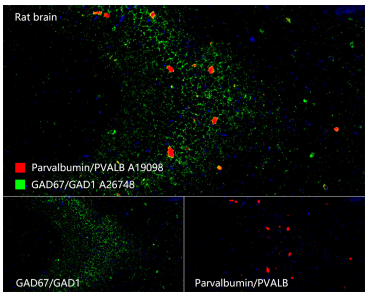


Western blot analysis of various lysates using Parvalbumin (PVALB) Rabbit mAb (A19098) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.

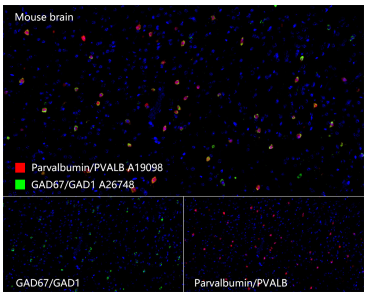
Validation Data



Confocal imaging of frozen sections of Mouse kidney tissue using Parvalbumin/PVALB Rabbit mAb (A19098, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



The multiplex IHC analysis on paraffin-embedded Rat brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : GAD67/GAD1 Rabbit mAb (A26748, 1:500) with TSA-TYR-520 (Green), and Parvalbumin/PVALB Rabbit mAb (A19098, 1:2000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.



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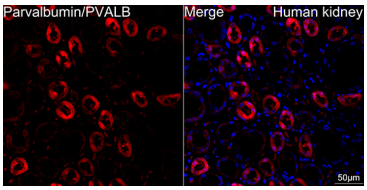
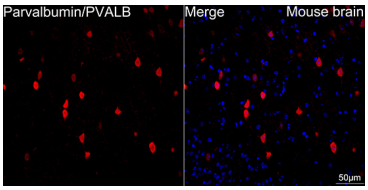
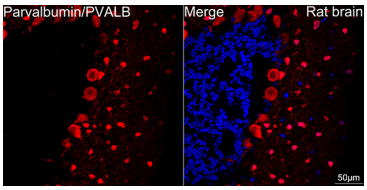


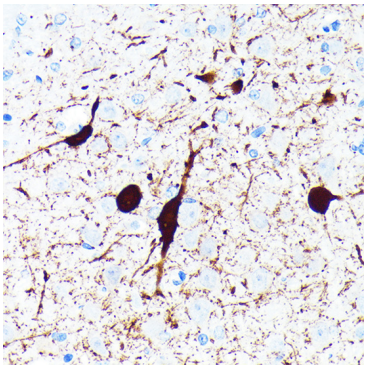
Confocal imaging of paraffin-embedded Human kidney tissue using Parvalbumin/PVALB Rabbit mAb (A19098, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



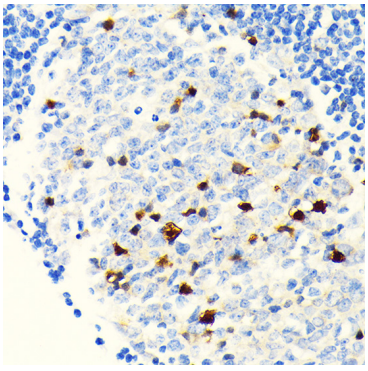
Confocal imaging of paraffin-embedded Mouse brain tissue using Parvalbumin/PVALB Rabbit mAb (A19098, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



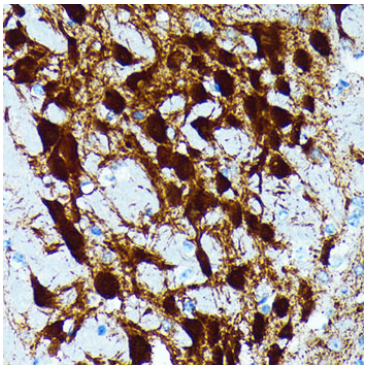
Confocal imaging of paraffin-embedded Rat brain tissue using Parvalbumin/PVALB Rabbit mAb (A19098, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-



Immunohistochemistry analysis of paraffin-



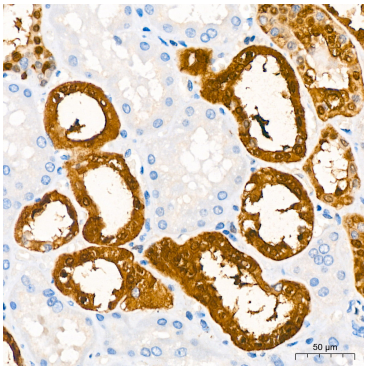
Immunohistochemistry analysis of paraffin-

Validation Data

embedded Rat brain tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

embedded Human appendix tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.

embedded Mouse brain tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.