

A19098

Leader in Biomolecular Solutions for Life Science



Parvalbumin/PVALB Rabbit mAb

Catalog No.: A19098 **Recombinant**

Basic Information

Observed MW

12kDa

Calculated MW

12kDa

Category

Monoclonal Antibody

Applications

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

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 - 1:6000
IF-F	1:200 - 1:800
IF-P	1:100 - 1:1000
IHC-P	1:200 - 1:2000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

 www.abclonal.com

Immunogen Information

Gene ID	Swiss Prot
5816	P20472

Immunogen

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

Synonyms

D22S749; Parvalbumin (PVALB)

Product Information

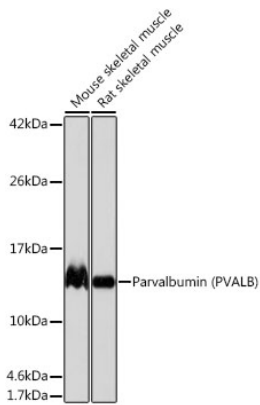
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. 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.

Validation Data



Western blot analysis of various lysates using Parvalbumin (PVALB) Rabbit mAb (A19098) at 1:1000 dilution.

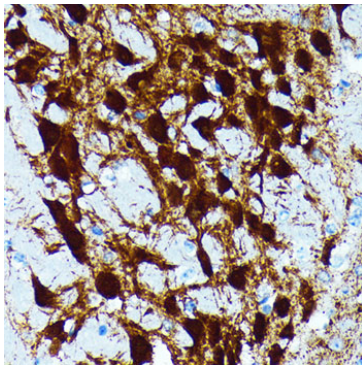
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

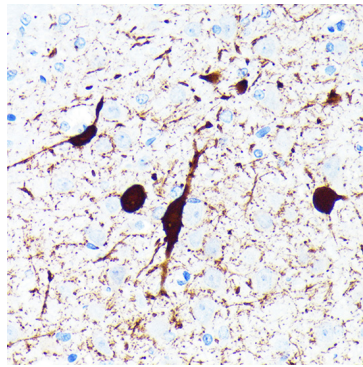
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

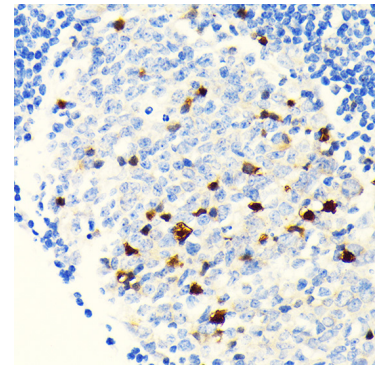
Exposure time: 1s.



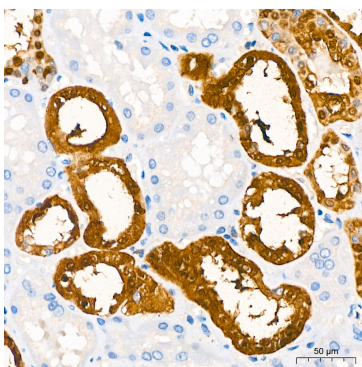
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



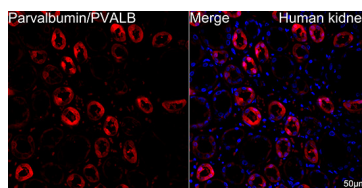
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



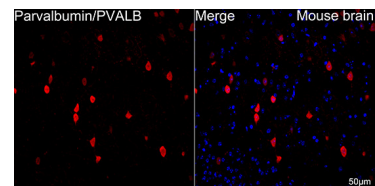
Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using Parvalbumin (PVALB) Rabbit mAb (A19098) at dilution of 1:200 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



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.



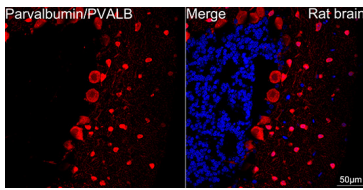
Confocal imaging of paraffin-embedded Human kidney tissue using Parvalbumin/PVALB Rabbit mAb (A19098, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed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



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.

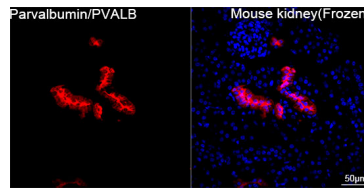
Validation Data

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.

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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.