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Parvalbumin Rabbit mAb

Catalog No.: A29135 Recombinant

Basic Information

Observed MW
12 kDa

Calculated MW
12 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3994

Background

Predicted to enable calcium ion binding activity and identical protein binding activity. Involved in excitatory chemical synaptic transmission; gene expression; and inhibitory chemical synaptic transmission. Located in axon and cytoplasm. Is expressed in several structures, including alimentary system; cardiovascular system; genitourinary system; nervous system; and sensory organ. Orthologous to human PVALB (parvalbumin).

Recommended Dilutions

WB	1:2000 - 1:15000
IP	0.5 μg - 4 μg antibody for 400 μg - 600 μg extracts of whole cells
IF-F	1:800 - 1:3200
IF-P	1:800 - 1:3200
IHC-P	1:400 - 1:1600
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
19293

Swiss Prot
P32848

Immunogen
This information is considered to be commercially sensitive.

Synonyms
PV; Pva; Parv

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

400-999-6126

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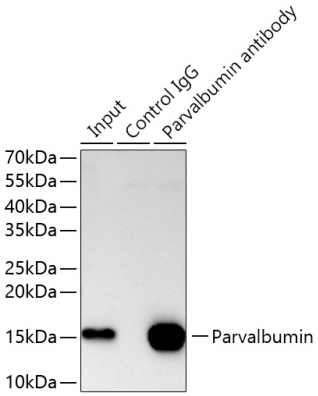
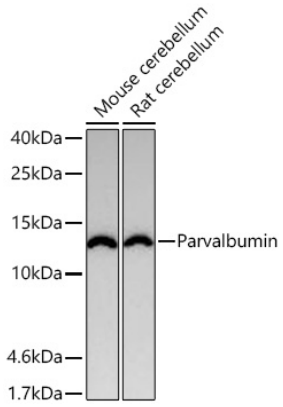
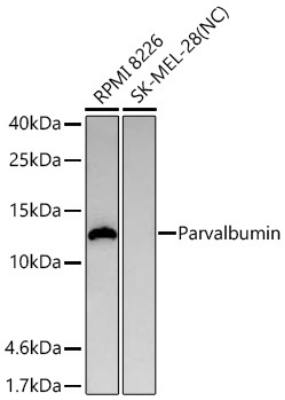
Validation Data



Immunoprecipitation of Parvalbumin from 600 µg extracts of Mouse brain tissue was performed using 1 µg of Parvalbumin Rabbit mAb (A29135).Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Parvalbumin Rabbit mAb (A29135) at a dilution of 1:10000.

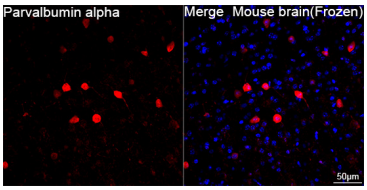


Western blot analysis of various lysates using Parvalbumin Rabbit mAb (A29135) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.

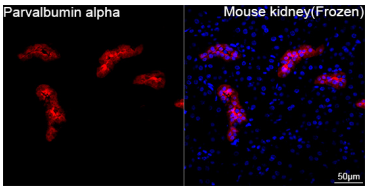


Western blot analysis of various lysates using Parvalbumin Rabbit mAb (A29135) at 1:5000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): SK-MEL-28.
Exposure time: 5 s.

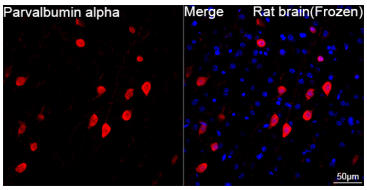
Validation Data



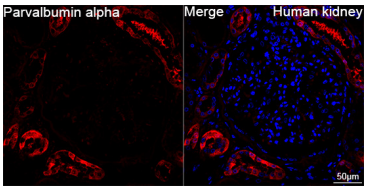
Confocal imaging of frozen sections of Mouse brain tissue using Parvalbumin Rabbit mAb (A29135, dilution 1:3200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



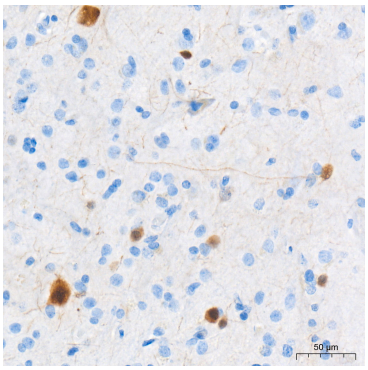
Confocal imaging of frozen sections of Mouse kidney tissue using Parvalbumin Rabbit mAb (A29135, dilution 1:3200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



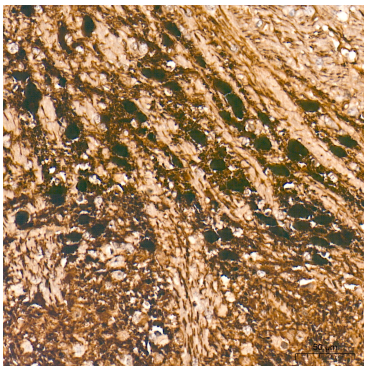
Confocal imaging of frozen sections of Rat brain tissue using Parvalbumin Rabbit mAb (A29135, dilution 1:3200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



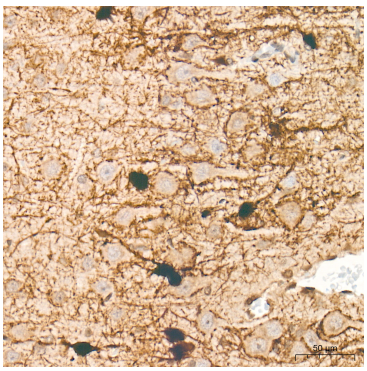
Confocal imaging of paraffin-embedded Human kidney tissue using Parvalbumin Rabbit mAb (A29135, dilution 1:800) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded Human brain tissue using Parvalbumin Rabbit mAb (A29135) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Parvalbumin Rabbit mAb (A29135) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Parvalbumin Rabbit mAb (A29135) at a dilution of 1:400 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-

Validation Data

EDTA Buffer (pH 9.0) prior to IHC staining.