

Calcineurin A Rabbit mAb

Catalog No.: A28718 **Recombinant**

Basic Information

Observed MW

32 kDa/59 kDa

Calculated MW

59 kDa/58 kDa/53 kDa/32 kDa/51 kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC3825

Background

Enables several functions, including ATPase binding activity; calmodulin binding activity; and calmodulin-dependent protein phosphatase activity. Involved in several processes, including calcineurin-NFAT signaling cascade; negative regulation of angiotensin-activated signaling pathway; and peptidyl-serine dephosphorylation. Located in cytoplasm; cytoplasmic side of plasma membrane; and dendritic spine. Part of calcineurin complex. Implicated in developmental and epileptic encephalopathy 91. Biomarker of cholangiocarcinoma; focal segmental glomerulosclerosis; and schizophrenia.

Recommended Dilutions

WB 1:2000 - 1:10000

IF-P 1:200 - 1:600

IHC-P 1:2000 - 1:8000

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)

Immunogen Information

Gene ID

5530

Swiss Prot

Q08209

Immunogen

This information is considered to be commercially sensitive.

Synonyms

CALN; CCN1; CNA1; CALNA; DEE91; IECEE; PPP2B; ACCIID; CALNA1; IECEE1

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

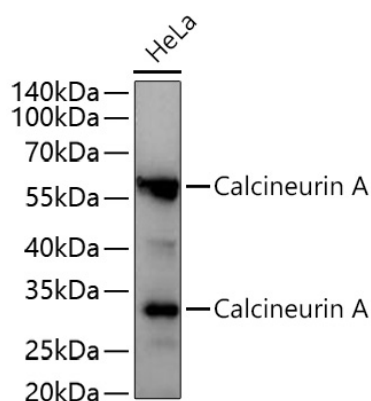
Affinity purification

Storage

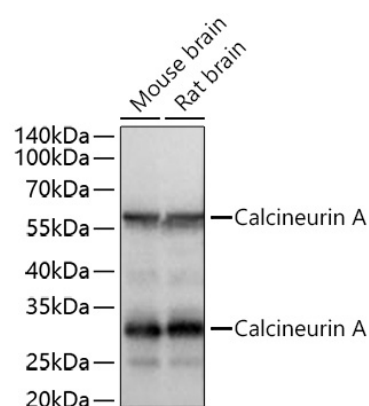
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% Sodium azide, 0.05% BSA, 40% glycerol, pH7.3.

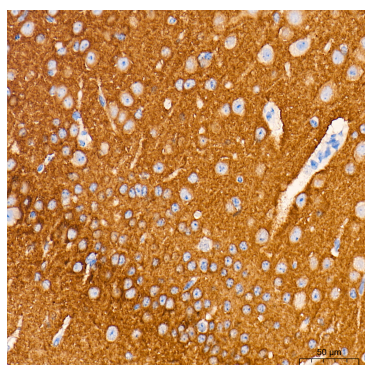
Validation Data



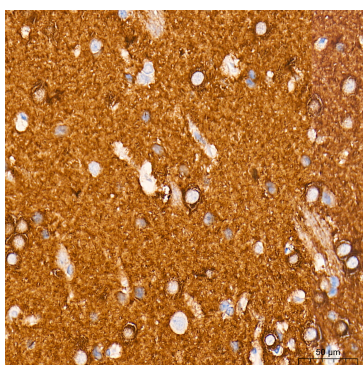
Western blot analysis of lysates from HeLa cells using Calcineurin A Rabbit mAb (A28718) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



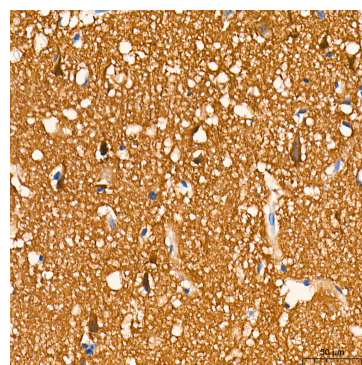
Western blot analysis of various lysates using Calcineurin A Rabbit mAb (A28718) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.5 s.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Calcineurin A Rabbit mAb (A28718) at a dilution of 1:3800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

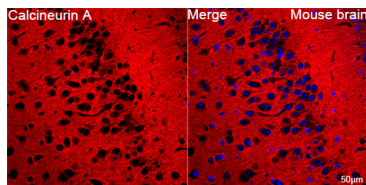


Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Calcineurin A Rabbit mAb (A28718) at a dilution of 1:3800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

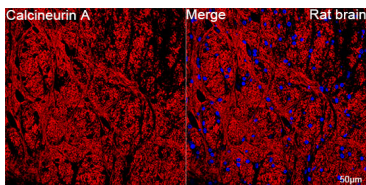


Immunohistochemistry analysis of paraffin-embedded Human brain tissue using Calcineurin A Rabbit mAb (A28718) at a dilution of 1:3800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Validation Data



Confocal imaging of paraffin-embedded Mouse brain tissue using Calcineurin A Rabbit mAb (A28718, 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). High pressure 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 Calcineurin A Rabbit mAb (A28718, 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). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.