Calcineurin A Rabbit mAb

Catalog No.: A4346 Recombinant 4 Publications



Basic Information

Observed MW

59 kDa

Calculated MW

59 kDa

Category

Primary antibody

Applications

WB,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC0970

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; peptidyl-serine dephosphorylation; and response to calcium ion. Located in several cellular components, including cytosol; dendritic spine; and nucleoplasm. Part of calcineurin complex. Colocalizes with cytoplasmic side of plasma membrane. Implicated in developmental and epileptic encephalopathy 91. Biomarker of focal segmental glomerulosclerosis and schizophrenia.

Recommended Dilutions

WB 1:1000 - 1:6000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID5530

Swiss Prot
Q08209

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

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

Contact

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Product Information

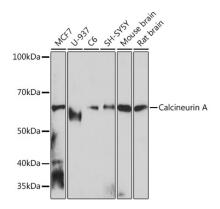
SourceIsotypePurificationRabbitIgGAffinity purification

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 Calcineurin A Rabbit mAb (A4346) 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: 10s.