



Calcineurin A (CnA, Protein Phosphatase 2B, A subunit)

Catalog number

C0114-06A

Supplier

United States Biological

Calcineurin is a heterodimer protein that binds to Ca^{2+} . A Ca^{2+} /calmodulin-regulated protein phosphatase, it is composed of a 19 kD calcineurin B (CnB) and a 61 kD calmodulin-binding catalytic subunit, calcineurin A (CnA). Calcineurin A was first detected in skeletal muscle and brain tissues, but it has since been found in all cell types, from yeast to mammalian. Calcineurin A may be responsible for the calmodulin activation property of calcineurin. There is evidence suggesting that alternative splicing could give rise to different forms of calcineurin A.

Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

Recommended Dilution

ELISA: 0.05-0.2ug/ml

Western Blot: 0.5-1ug/ml

Optimal dilutions to be determined by the researcher.

Storage and Stability

Lyophilized powder may be stored at $-20^{\circ}C$. Stable for 12 months after receipt at $-20^{\circ}C$. Reconstitute with sterile ddH₂O. Aliquot to avoid repeated freezing and thawing. Store at $-20^{\circ}C$. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Immunogen

Synthetic peptide (KLH). within the amino terminal of human calcineurin A protein (Swiss Prot: Q08209).

Formulation

Supplied as a lyophilized powder in PBS, pH 7.4, 0.02% sodium azide. Reconstitute with 80ul sterile ddH₂O.

Purity

Purified by immunoaffinity chromatography.

Specificity

Recognizes endogenous levels of human calcineurin A protein. Species Crossreactivity: mouse. Expected to cross-react with rat based on sequence homology.

Product Type

Pab

Source



human

Isotype

IgG

Grade

Affinity Purified

Applications

E WB

Crossreactivity

Hu Mo

Storage

-20°C