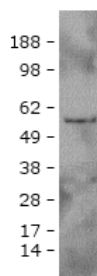


Anti-Human Calcineurin Purified

Catalog Number: 14-9894

Also known as: Protein phosphatase 2B, PP2B, PP 2B, Protein phosphatase 3, PP3

RUO: For Research Use Only. Not for use in diagnostic procedures.



Immunoblotting of reduced Jurkat cell lysate with 5 ug/mL of Anti-Human Calcineurin Purified antibody. Bands were visualized using Anti-Mouse IgG HRP.

Product Information



Contents: Anti-Human Calcineurin Purified

Catalog Number: 14-9894

Clone: BE2.1

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.

Batch Code: Refer to vial

Use By: Refer to vial

Description

This BE2.1 monoclonal antibody reacts with human calcineurin, which is also known as protein phosphatase 2B. Calcineurin is a calcium- and calmodulin-dependent serine/threonine phosphatase that is composed of a 59-kDa catalytic subunit (Calcineurin A) and a 19-kDa regulatory subunit (Calcineurin B). This enzyme is expressed in all tissues in mammals. In the immune system, calcineurin plays a key role in T cell activation by dephosphorylating NFAT and thereby enabling the transcription factor to translocate into the nucleus to promote expression of genes such as IL-2. The activity of calcineurin can be inhibited by the immunosuppressants FK506 and cyclosporin A. Dysfunctional calcineurin regulation has been implicated in a variety of immune and non-immune diseases, including diabetes, asthma, and Alzheimer's disease.

This monoclonal antibody recognizes the 59-kDa Calcineurin A subunit.

Applications Reported

This BE2.1 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This BE2.1 antibody has been tested by immunoblotting of reduced cell lysate prepared from Jurkat cells. This can be used at 1-5 ug/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

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Related Products

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)