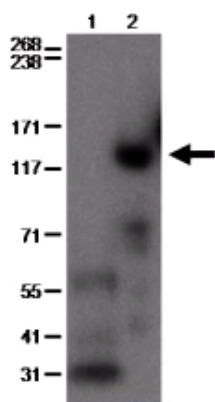


Anti-Mouse PDE3B Purified

Catalog Number: 14-1973

Also Known As: Phosphodiesterase 3b

RUO: For Research Use Only



Lysates prepared from mouse heart (lane 1) or lymph node cells (lane 2) were run under reducing conditions on a 3-8% Tris-Acetate gel. The membrane was probed with 2 µg/mL of Anti-Mouse PDE3B Purified, followed by Anti-Rat IgG HRP.

Product Information

Contents: Anti-Mouse PDE3B Purified

 Catalog Number: 14-1973

Clone: SMCP3B

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a, κ

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



Caution, contains Azide

Description

Cyclic nucleotide phosphodiesterases (PDE) catalyze the hydrolysis of cAMP and cGMP thereby regulating the effects of these second messengers. There are several families of PDE which share common structural organization. The PDE3 family has two members, 3A and 3B that are products of two separate genes. PDE3B (~130 kDa) is expressed predominantly in adipose tissue and lymphocytes, while PDE3A (~120 kDa) is expressed predominantly in platelets and heart tissue.

The monoclonal antibody SMCP3B reacts with mouse PDE3B. The SMCP3B antibody was generated against amino acids 643-1100 in the C-terminus and does not cross-react with mouse PDE3A, as determined by western blot analysis of lysates of mouse heart tissue. The SMCP3B antibody does not cross-react with human PDE3B.

Applications Reported

This SMCP3B antibody has been reported for use in immunoblotting (WB).

Applications Tested

This SMCP3B antibody has been tested by immunoblotting of mouse lymph node cells and mouse heart under reducing conditions. It can be used at 1-5 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Related Products

14-4321 Rat IgG2a K Isotype Control Purified

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