



Product Information Sheet

Monoclonal Anti-Calceineurin alpha (Sepharose Bead Conjugate)

Catalogue No. MA1008-S

Immunogen

Bovine brain calcineurin.

Lot No. 08A12

Purification

Clone: CC-6

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Size: 200µl

Storage

Specificity

Human, rat.

No cross reactivity with other proteins.

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

Recommended application

Immunoprecipitation(IP)

BACKGROUND

Calcineurin, the Ca(2+)/calmodulin-regulated protein phosphatase, first detected in skeletal muscle and brain, has been found in all cells from yeast to mammals. Calcineurin A alpha (PPP3CA), is located on human chromosomes 4, Chromosomal mapping of the human genes for the calmodulin-dependent protein phosphatase (calcineurin) catalytic subunit. Calcineurin regulates bone formation by the osteoblast.

REFERENCE

1. Giri, P.; Higuchi, S.; Kincaid, R. L. : Chromosomal mapping of the human genes for the calmodulin-dependent protein phosphatase (calcineurin) catalytic subunit. *Biochem. Biophys. Res. Commun.* 181: 252-258, 1991.
2. Sun, L.; Blair, H. C.; Peng, Y.; Zaidi, N.; Adebajo, O. A.; Wu, X. B.; Wu, X. Y.; Iqbal, J.; Epstein, S.; Abe, E.; Moonga, B. S.; Zaidi, M. : Calcineurin regulates bone formation by the osteoblast. *Proc. Nat. Acad. Sci.* 102: 17130-17135, 2005.
3. Wang, M. G.; Yi, H.; Guerini, D.; Klee, C. B.; McBride, O. W. : Calcineurin A alpha (PPP3CA), calcineurin A beta (PPP3CB) and calcineurin B (PPP3R1) are located on human chromosomes 4, 10q21-q22 and 2p16-p15 respectively. *Cytogenet. Cell Genet.* 72: 236-241, 1996.

For Research Use Only not for diagnostic and clinical use

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: Info@antageneinc.com