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36-2993: Anti-Calcineurin A / PPP3CA Monoclonal Antibody(Clone: BF1.1)

Clonality :	Monoclonal
Clone Name :	BF1.1
Application :	ELISA,WB
Reactivity :	Human
Gene :	PPP3CA
Gene ID :	5530
Uniprot ID :	Q08209
Alternative Name :	Calcineurin A alpha; Calcineurin A1; Calcineurin A; Calmodulin-dependent calcineurin A subunit alpha isoform; CALN; CALNA1; CAM-PRP catalytic subunit; CCN1; CNA alpha; CNA1; Ppp3ca; Protein phosphatase 2B catalytic subunit (PPP2B); Protein phosphatase 3 (formerly 2B) catalytic subunit alpha isoform (PPP3CA)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length Calcineurin A protein

Description

Calcineurin is an enzyme that dephosphorylates serine and threonine residues in proteins. It is a heterodimer of a 59kDa catalytic A subunit and a 19kDa regulatory B subunit that is activated by the binding of calcium ions and calmodulin. Calcineurin is expressed in many tissues, but its levels are highest in the brain, where it may play a role in learning and memory. It has many substrates, including NFAT, a transcription factor that is activated by dephosphorylation. Complexes of the immuno-suppressants cyclosporine and FK506 with immunophilin proteins such as cyclophilin and FKBP12 are potent and specific inhibitors of Calcineurin activity. Alterations in Calcineurin activity are suspected to play a role in cardiac hypertrophy and graft versus host disease in organ transplantation.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order antibody without BSA); Western Blot (1-2ug/ml);

For Research Use Only. Not for use in diagnostic/therapeutics procedures.