

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	BF1.1
<b>Application :</b>	ELISA, WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	PPP3CA
<b>Gene ID :</b>	5530
<b>Uniprot ID :</b>	Q08209
<b>Alternative Name :</b>	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)
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	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 immunosuppressants 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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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);