

Product datasheet for **TA318865**

PPP3CB Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1-4ug/ml, IP: 10-20ug/ml
Reactivity:	Human, Mouse, Bovine, Hamster, Rat, Rabbit
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues surrounding amino acids 267 of human Calcineurin A
Formulation:	100 µg (0.2 mg/ml) affinity purified, rabbit anti-Calcineurin A polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	protein phosphatase 3 catalytic subunit beta
Database Link:	NP_066955 Entrez Gene 19056 Mouse Entrez Gene 24675 Rat Entrez Gene 5532 Human P16298



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Background:

Calcineurin is a calcium/calmodulin-dependent serine/threonine protein phosphatase. The active enzyme is a heterodimer consisting of a catalytic A subunit of 61 kDa and a myristylated regulatory B subunit of 19 kDa that binds calcium. The catalytic A subunit consists of an amino terminal catalytic domain, followed by calmodulin and B subunit binding sites, and a carboxyl-terminal autoinhibitory domain. Calcineurin is the target of immunosuppressant drugs such as cyclosporin A and FK506. Calcineurin controls the translocation of nuclear factors of activated T cells (NFAT), a family of transcriptional activators that control the expression of cytokine genes essential to immune response, from the cytosol into the nucleus of activated T cells. Calcineurin has been proposed to play an important role in mediating calcium-activated cell death.

Synonyms:

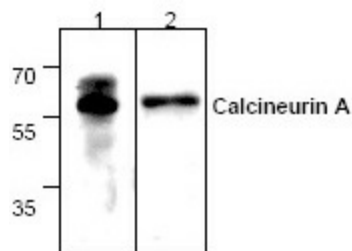
CALNA2; CALNB; CNA2; PP2Bbeta

Protein Families:

Druggable Genome, Phosphatase, Transcription Factors

Protein Pathways:

Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Axon guidance, B cell receptor signaling pathway, Calcium signaling pathway, Long-term potentiation, MAPK signaling pathway, Natural killer cell mediated cytotoxicity, Oocyte meiosis, T cell receptor signaling pathway, VEGF signaling pathway, Wnt signaling pathway

Product images:

Western blot analysis of Calcineurin A in lysate from Jurkat cells (Lane 1) and rat kidney (Lane 2).