

Product datasheet for **TA326450**

Calcineurin A (PPP3CA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	WB: 1:1000
Reactivity:	Human, Mouse, Rat, Canine, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Human Calcineurin A peptide (AA 364-283)
Formulation:	PBS pH 7.4; 50% glycerol, 0.09% azide
Concentration:	lot specific
Purification:	Peptide 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 alpha
Database Link:	NP_000935 Entrez Gene 19055 Mouse Entrez Gene 24674 Rat Entrez Gene 5530 Human Q08209
Background:	Calcineurin is a heterodimeric phosphatase protein, also known as calcium-dependent serine-threonine phosphatase. The structure consists of a catalytic subunit alpha, Calcineurin A (57-59KDa) the active site and a Ca ²⁺ binding unit, Calcineurin B (19-20KDa) the regulatory subunit. Calcineurin plays a key role in the T-cell response growth and differentiation mechanism, regulating the activation of the Nuclear factor of activated T-cells (NFATc) which are important in the expression of IL-2 genes. Calcineurin has been the target of inhibitors, the novel and structural immune-suppressants antifungal drugs. Genetic studies in yeast and fungi established the molecular basis of the inhibition mechanism by cyclosporine A and FK506 .
Synonyms:	CALN; CALNA; CALNA1; CCN1; CNA1; PPP2B
Note:	Identifies a band at ~61kD on a WB
Protein Families:	Druggable Genome, Phosphatase



[View online »](#)

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