

## Product datasheet for **AM20596PU-N**

### Calcineurin A (PPP3CA) Mouse Monoclonal Antibody [Clone ID: CC-6]

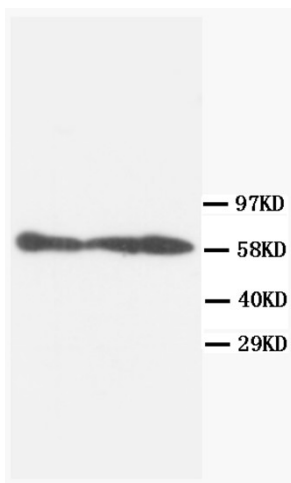
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CC-6
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 0.25 - 0.5 µg/ml. Immunohistochemistry on paraffin sections: 0.5 - 1 µg/ml
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bovine brain calcineurin
Specificity:	This antibody reacts to PPP3CA.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative. State: Aff - Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS.
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein phosphatase 3 catalytic subunit alpha
Database Link:	<a href="#">Entrez Gene 24674 Rat</a> <a href="#">Entrez Gene 5530 Human</a> <a href="#">Q08209</a>



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<b>Background:</b>	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.
<b>Synonyms:</b>	CALNA, CNA, PP2B catalytic subunit, protein phosphatase 2B catalytic subunit alpha
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Protein Pathways:</b>	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:**

Lane 1: Rat brain tissue lysate  
Lane 2: Rat brain tissue lysate  
Lane 3: Rat medulla oblongata tissue lysate