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Rabbit Anti-Phospho-Calcineurin B (Tyr106)antibody

SL10342R

Product Name	Phospho-Calcineurin B (Tyr106)
Chinese Name	磷酸化钙调磷酸酶 B 亚基 B1 抗体
Alias	Calcineurin B (phospho Y106); Calcineurin B (phospho Tyr106); p-Calcineurin B (Tyr106); Calcineurin subunit B type 1; CALNB1; CANB1_HUMAN; Cna2; CNB; CNB1; OTTHUMP00000201960; OTTHUMP00000201961; Ppp3r1; PPP3R1 protein phosphatase 3 (formerly 2B), regulatory subunit B, alpha isoform; alpha isoform (calcineurin B, type I); calcineurin B, type I (19kDa); protein phosphatase3 (formerly2B), regulatory subunit B, alpha isoform antibody Protein phosphatase 2B regulatory subunit 1; Protein phosphatase 2B regulatory subunit B alpha; protein phosphatase 3 (formerly 2B), regulatory subunit B, 19kDa, alpha isoform (calcineurin B, type I); Protein phosphatase 3 regulatory subunit B alpha; Protein phosphatase 3 regulatory subunit B alpha isoform 1.
Product Type	Phosphorylated anti
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,GuineaPig,Fruit Fly,Danio rerio)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	19kDa
Cellular localization	cytoplasmic The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthesised phosphopeptide derived from human Calcineurin B around the phosphorylation site of Tyr106: DG(p-Y)IS
Lsotype	IgG

Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunit have been identified, designated PP1, PP2A, PP2B and PP2C. An additional protein phosphatase catalytic subunit, PPX (also known as PP4), is a putative member of a novel PP family. The PP2B family comprises subfamily members PP2B-A alpha, PP2B-A Beta and PP2B-A Gamma. Two additional regulatory subunits been identified, designated PP2B-B1 and PP2B-B2. **Function:** Regulatory subunit of calcineurin, a calcium-dependent, calmodulin stimulated protein phosphatase. Confers calcium sensitivity. **Subunit:** Composed of a catalytic subunit (A) and a regulatory subunit (B). **Similarity:** Belongs to the calcineurin regulatory subunit family. Contains 4 EF-hand domains. **SWISS:** P63098 **Gene ID:** 5534 **Database links:** Entrez Gene: 5534 Human Entrez Gene: 19058 Mouse Entrez Gene: 29748 Rat

Omim: 601302 Human

SwissProt: P63098 Human

SwissProt: Q63810 Mouse

SwissProt: P63100 Rat

Unigene: 280604 Human

Unigene: 41840 Mouse

Unigene: 42903 Rat