



Rabbit Anti-Calcineurin B antibody

SL11246R

Product Name:	Calcineurin B
Chinese Name:	钙调磷酸酶B亚基B1抗体
Alias:	Calcineurin subunit B type 1; PP2B-B1; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	19kDa
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Calcineurin B/PP2B-B1:31-130/170
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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.

Product Detail:**SWISS:**

Q96LZ3

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

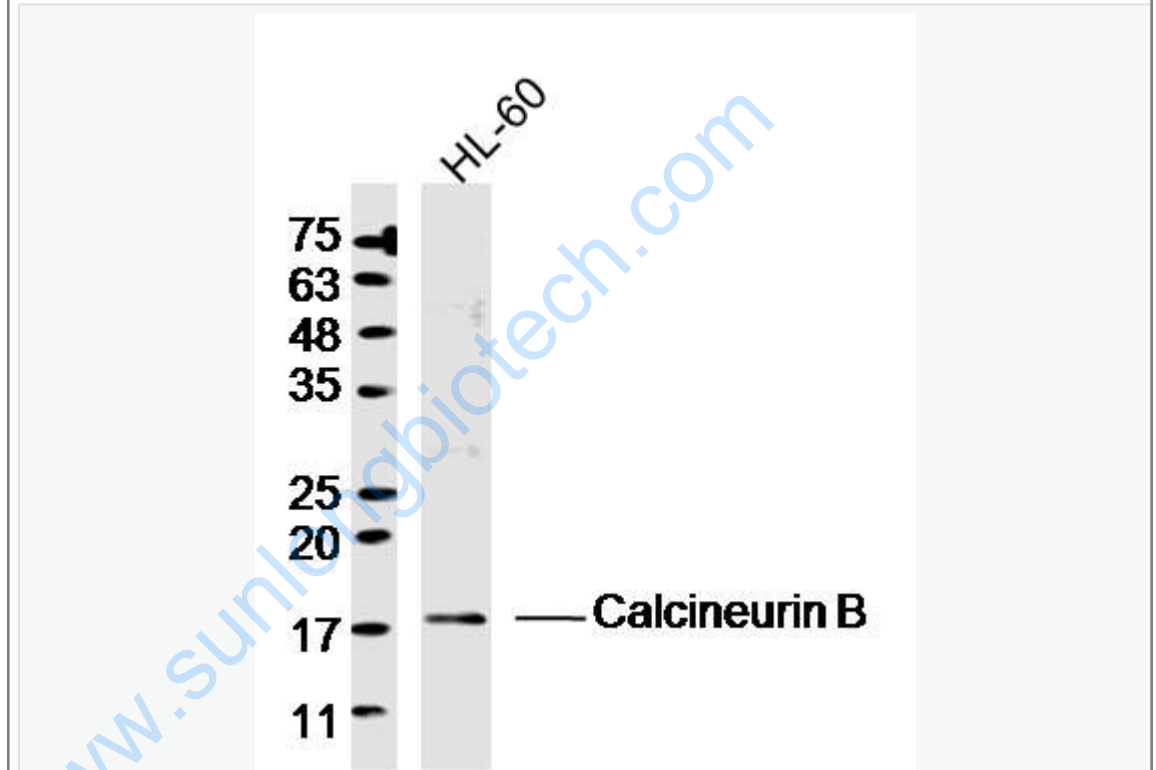
[Unigene: 41840](#) Mouse

[Unigene: 42903](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



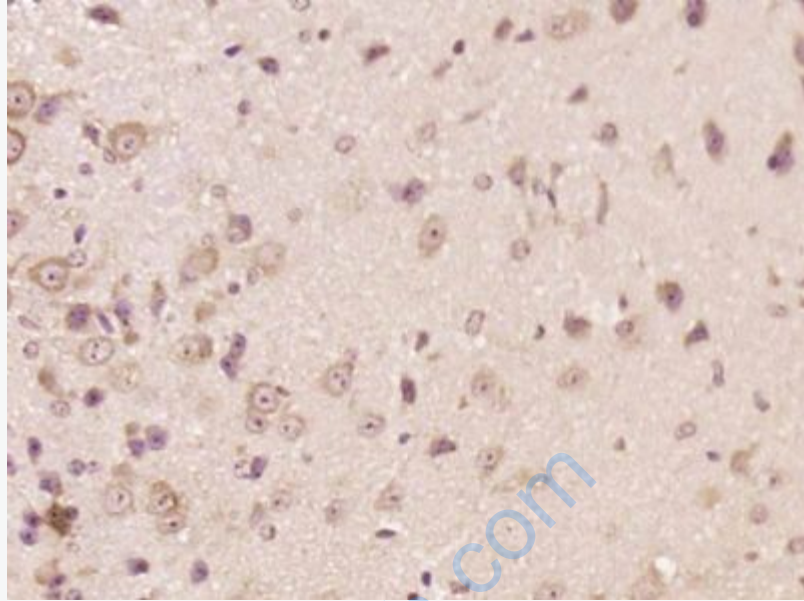
Sample:HL-60 (Human)Cell Lysate at 40 ug

Primary: Anti-Calcineurin B(SL11246R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 19kD

Observed band size: 19kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Calcineurin B) Polyclonal Antibody, Unconjugated (SL11246R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.