SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PPP3CA Polyclonal Antibody

Catalog Number: SLA0325

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
GeneID:	5530
SWISS:	Q08209
Target:	PPP3CA
Immunogen:	KLH conjugated synthetic peptide derived from human PPP3CA
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Mouse,Rat
Predicted MW.:	59 kDa
Subcellular Location:	Nucleus
Background:	Calcineurin, a major soluble calmodulin binding protein in the brain, a Ca2+/calmodulin dependent serine/threonine protein phosphatase, with a relatively narrow substrate specificity. This metalloenzyme, also known as phosphatase 2B, is a heterodimer composed of a calmodulin binding, catalytic alpha subunit 61 kDa, calcineurin A) and calcium binding beta subunit (18 kDa, calcineurin B). The Ca2+ binding subunit, calcineurin B, is immunologically conserved from yeast to mammals. The presence of 2 different calcineurin B isoforms (beta 1 and beta 2) has been reported in rat testis. The catalytic subunit of calcineurin, calcineurin A, isolated from different tissues or different organisms, exhibits some immunological

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	heterogeneity. Further, there are at least 2 isoforms of calcineurin A in bovine brain (alpha 1 and alpha 2, 61 and 59 kDa, respectively).

[VALIDATION IMAGES]

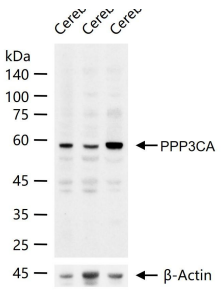


Figure 1. 25 ug total protein per lane of various lysates (see on figure) probed with PPP3CA polyclonal antibody, unconjugated (SLA0325) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

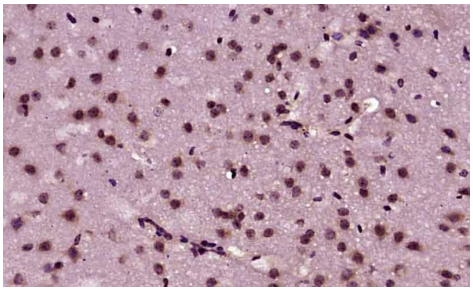


Figure 2. Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PPP3CA) Polyclonal Antibody, Unconjugated (SLA0325) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.
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