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PPP3CC Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57737

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	P48454
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58129
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PPP3CC
Epitope Specificity	51-150/512
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the PPP phosphatase family. PP-2B subfamily.
SUBUNIT	Composed of two components (A and B), the A component is the catalytic subunit and the B component confers calcium sensitivity.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Calcineurin is a calcium-dependent, calmodulin-stimulated protein phosphatase involved in the downstream regulation of dopaminergic signal transduction. Calcineurin is composed of a regulatory subunit and a catalytic subunit. The protein encoded by this gene represents one of the regulatory subunits that has been found for calcineurin. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2011]

Additional Information

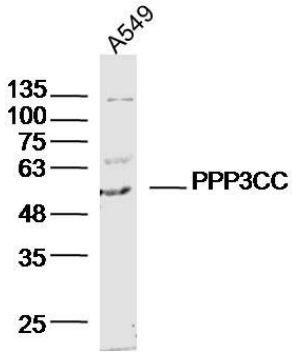
Gene ID	5533
Other Names	Serine/threonine-protein phosphatase 2B catalytic subunit gamma isoform, 3.1.3.16, CAM-PRP catalytic subunit, Calcineurin, testis-specific catalytic subunit, Calmodulin-dependent calcineurin A subunit gamma isoform, PPP3CC, CALNA3, CNA3
Target/Specificity	Testis.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

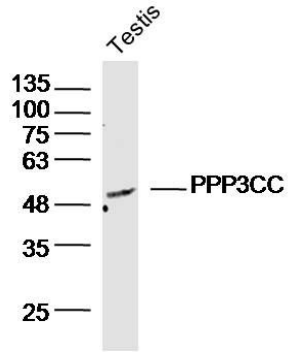
Protein Information

Name	PPP3CC
Synonyms	CALNA3, CNA3
Function	Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca(2+)-mediated signals. Dephosphorylates and activates transcription factor NFATC1. Dephosphorylates and inactivates transcription factor ELK1. Dephosphorylates DARPP32.
Cellular Location	Mitochondrion {ECO:0000250|UniProtKB:P48455}. Note=Localizes in the mitochondria in a SPATA33-dependent manner {ECO:0000250|UniProtKB:P48455}
Tissue Location	Testis..

Images

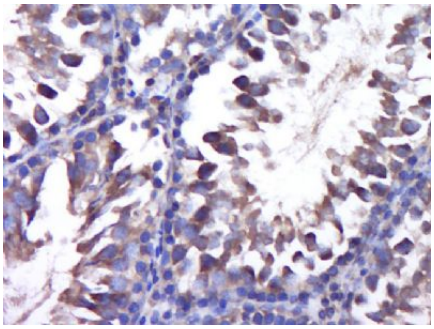


Sample: A549 (Human)Cell Lysate at 40 ug
Primary: Anti-PPP3CC(AP57737)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 58kD
Observed band size: 58kD

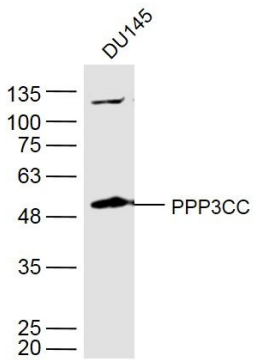


Sample: Testis(Mouse)Lysate at 40 ug
Primary: Anti-PPP3CC(AP57737)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 58kD
Observed band size: 58kD

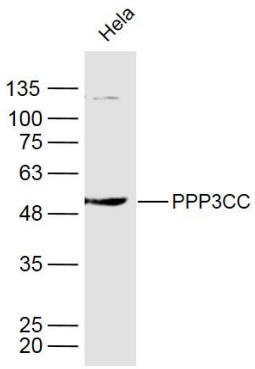
Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PPP3CC) Polyclonal Antibody,



Unconjugated (AP57737) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:
DU145(Human) Cell Lysate at 40 ug
Primary: Anti-PPP3CC (AP57737) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kD
Observed band size: 58 kD



Sample:
Hela(Human) Cell Lysate at 40 ug
Primary: Anti-PPP3CC (AP57737) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 58 kD
Observed band size: 58 kD