Product Name: Pki α Rabbit Polyclonal Antibody
Catalog #: APRab16216

Summary

Production Name	Pki α Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	PKIA
Alternative Names	PKIA; PRKACN1; cAMP-dependent protein kinase inhibitor alpha; PKI-alpha; cAMP-dependent protein kinase inhibitor; muscle/brain isoform
Gene ID	5569.0
SwissProt ID	P61925.The antiserum was produced against synthesized peptide derived from human IPKA. AA range:10-59

Application

Dilution Ratio	IF 1:200-1:1000. ELISA: 1:20000.
Molecular Weight	

Background

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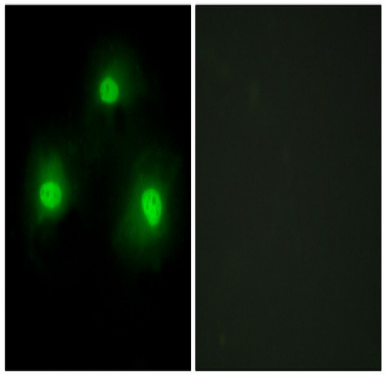
The protein encoded by this gene is a member of the cAMP-dependent protein kinase (PKA) inhibitor family. This protein was demonstrated to interact with and inhibit the activities of both C alpha and C beta catalytic subunits of the PKA. Alternatively spliced transcript variants encoding the same protein have been reported. [provided by RefSeq, Jul 2008],function:Extremely potent competitive inhibitor of cAMP-dependent protein kinase activity, this protein interacts with the catalytic subunit of the enzyme after the cAMP-induced dissociation of its regulatory chains.,miscellaneous:The inhibitory site contains regions very similar to the hinge regions (sites that directly interact with the enzyme active site) and "pseudosubstrate site" of the regulatory chains; but, unlike these chains, PKI does not contain cAMP-binding sites. The arginine residues within the inhibitory site are essential for inhibition and recognition of the enzyme active site.,similarity:Belongs to the PKI family.,

Research Area

Image Data



Immunofluorescence analysis of HeLa cells, using IPKA Antibody. The picture on the right is blocked with the synthesized peptide.

Note

For research use only.