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PRKAR2A Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21402b

Product Information

Application	WB, E
Primary Accession	P13861
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53012
Calculated MW	45518

Additional Information

Gene ID	5576
Other Names	cAMP-dependent protein kinase type II-alpha regulatory subunit, PRKAR2A, PKR2, PRKAR2
Target/Specificity	This PRKAR2A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 312-346 amino acids from the human region of human PRKAR2A.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRKAR2A Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PRKAR2A
Synonyms	PKR2, PRKAR2
Function	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.

Cellular Location	Cytoplasm. Cell membrane. Note=Colocalizes with PJA2 in the cytoplasm and the cell membrane
Tissue Location	Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

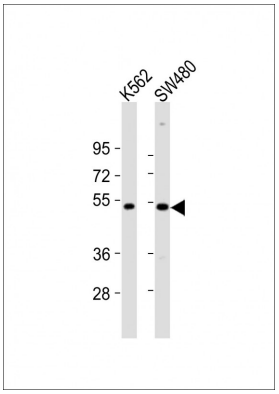
Background

Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells. Type II regulatory chains mediate membrane association by binding to anchoring proteins, including the MAP2 kinase.

References

Oyen O.,et al.FEBS Lett. 246:57-64(1989).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Muzny D.M.,et al.Nature 440:1194-1198(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Foss K.B.,et al.Biochim. Biophys. Acta 1350:98-108(1997).

Images



All lanes : Anti-PRKAR2A Antibody (C-Term) at 1:2000 dilution Lane 1: K562 whole cell lysates Lane 2: SW480 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 46 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.