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Anti-PRKAR2B Antibody

Rabbit polyclonal antibody to PRKAR2B
Catalog # AP59671

Product Information

Application	WB, IHC
Primary Accession	P31323
Other Accession	P31324
Reactivity	Human, Mouse, Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46302

Additional Information

Gene ID	5577
Other Names	cAMP-dependent protein kinase type II-beta regulatory subunit
Target/Specificity	Recognizes endogenous levels of PRKAR2B protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

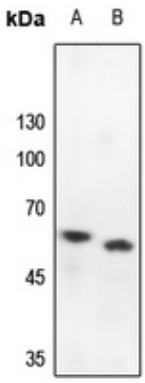
Protein Information

Name	PRKAR2B
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 at 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

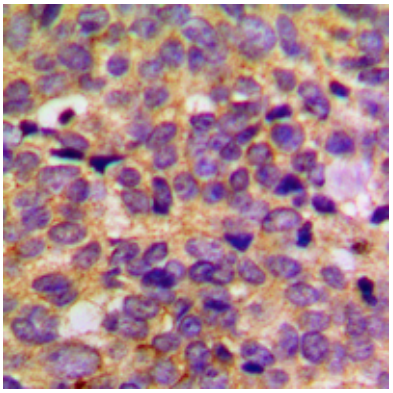
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PRKAR2B. The exact sequence is proprietary.

Images



Western blot analysis of PRKAR2B expression in HEK293T (A), mouse testis (B) whole cell lysates.



Immunohistochemical analysis of PRKAR2B staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.