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Anti-PRKAR1B Antibody

Rabbit polyclonal antibody to PRKAR1B
Catalog # AP59670

Product Information

Application	WB, IHC
Primary Accession	P31321
Other Accession	P12849
Reactivity	Human, Mouse, Rat, Zebrafish, Chicken, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43073

Additional Information

Gene ID	5575
Other Names	cAMP-dependent protein kinase type I-beta regulatory subunit
Target/Specificity	Recognizes endogenous levels of PRKAR1B 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

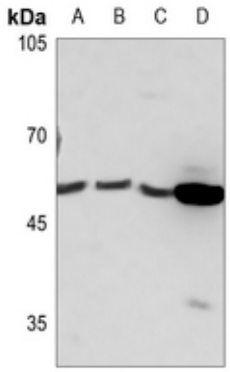
Name	PRKAR1B
Function	Regulatory subunit of the cAMP-dependent protein kinases involved in cAMP signaling in cells.
Cellular Location	Cell membrane.
Tissue Location	Four types of regulatory chains are found: I-alpha, I-beta, II-alpha, and II-beta. Their expression varies among tissues and is in some cases constitutive and in others inducible

Background

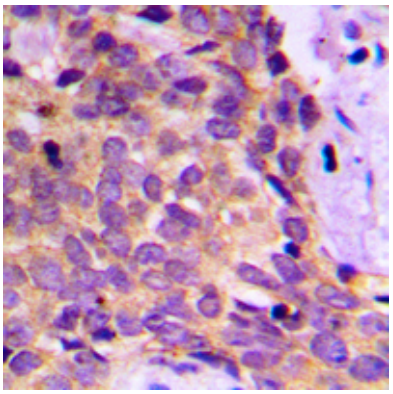
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PRKAR1B.

The exact sequence is proprietary.

Images



Western blot analysis of PRKAR1B expression in HEK293T (A), U2OS (B), MCF7 (C), mouse liver (D) whole cell lysates.



Immunohistochemical analysis of PRKAR1B 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.