For research purposes only, not for human use

Product Data Sheet

Anti-PRKAR1B Antibody

Catalog #	Source	Reactivity	Applications
CPA1932	Rabbit	H, M, R, C, D, Z	WB, IH

Description	Rabbit polyclonal antibody to PRKAR1B
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PRKAR1B. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of PRKAR1B protein.
Clonality	Polyclonal
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/100 - 1/200)
Gene Symbol	PRKAR1B
Alternative Names	cAMP-dependent protein kinase type I-beta regulatory subunit
Entrez Gene	5575 (Human); 19085 (Mouse)
SwissProt	P31321 (Human); P12849 (Mouse); P81377 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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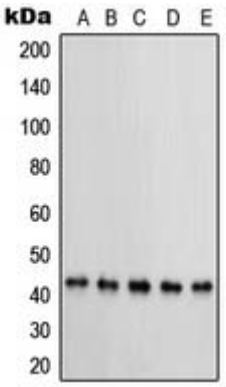
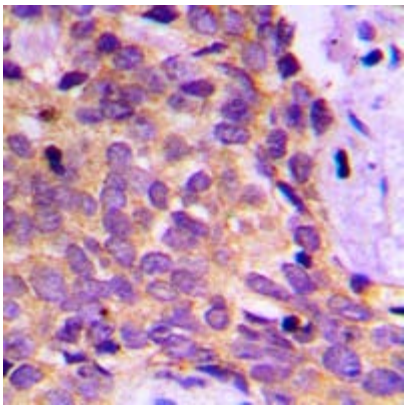


Western blot analysis of PRKAR1B expression in MCF7 (A), KNRK (B), NIH3T3 (C), HeLa (D), BT20 (E) whole cell lysates.



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.

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