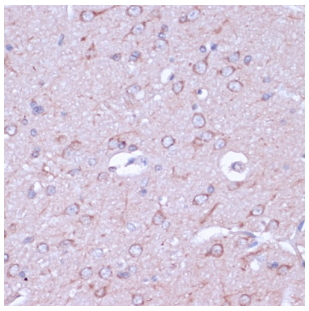
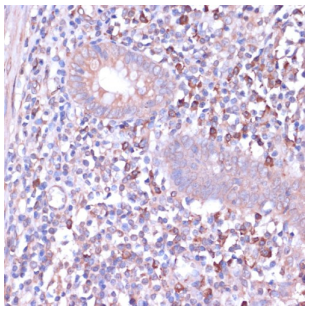
Protein Kinase, cAMP Dependent Catalytic Beta (PRKACB) Antibody

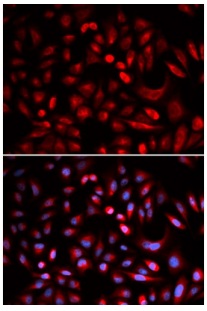
Catalogue No.:abx004070



Immunohistochemistry of paraffin-embedded Rat brain using PRKACB Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Human appendix using PRKACB Antibody (1/100 dilution, 40x lens).



Immunofluorescence analysis of U2OS cells using PRKACB Antibody

PRKACB Antibody is a Rabbit Polyclonal antibody against PRKACB. cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Several alternatively spliced transcript variants encoding distinct isoforms have been observed.

Target:	Protein Kinase, cAMP Dependent Catalytic Beta (PRKACB)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	IHC, IF/ICC

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Host:	Rabbit
Recommended dilutions:	IHC-P: 1/50 - 1/200, IF/ICC: 1/50 - 1/200. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human PRKACB
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P22694 (UniProt, ExPASy)
Gene Symbol:	PRKACB
GeneID:	5567
NCBI Accession:	NP_002722.1
KEGG:	hsa:5567
String:	9606.ENSP00000359719
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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