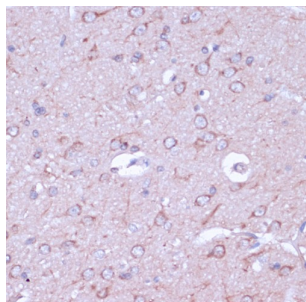
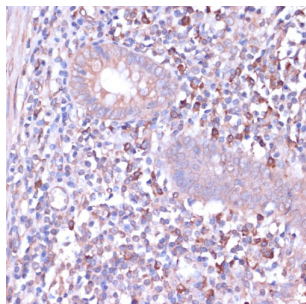


Protein Kinase, cAMP Dependent Catalytic Beta (PRKACB) Antibody

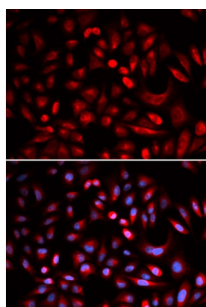
Catalogue No.: abx004070



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

Datasheet

Version: 6.0.0
Revision date: 06 Mar 2025



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.