

## PKA C(Phospho-Thr197) Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP11958
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized phospho peptide around human PKA C (Thr197)
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	PKA C
<b>Synonyms</b>	PKA C ;Thr197 ; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha; EC 2.7.11.11

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

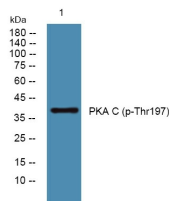
This gene encodes one of the catalytic subunits of protein kinase A| which exists as a tetrameric holoenzyme with two regulatory subunits and two catalytic subunits| in its inactive form. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. cAMP-dependent phosphorylation of proteins by protein kinase A is important to many cellular processes| including differentiation| proliferation| and apoptosis. Constitutive activation of this gene caused either by somatic mutations| or genomic duplications of regions that include this gene| have been associated with hyperplasias and adenomas of the adrenal cortex and are linked to corticotropin-independent Cushing's syndrome. Altern

### Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4°C overnight

### Storage

-20°C for 1 year