BT LAB
Bioassay Technology Laboratory

Optimize Your Research

PKA alpha cat(Phospho Ser338) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP13081
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phospho-peptide around the phosphorylation site of human PKAα cat (phospho Ser338)
Mol wt	40590
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	cAMP-dependent protein kinase catalytic subunit alpha
Synonyms	cAMP-dependent protein kinase catalytic subunit alpha; PRKACA; PKACA; cAMP-dependent protein kinase catalytic subunit alpha; PKA C-alpha

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

IHC-p: 1: 100 - 1: 300

ELISA: 1: 5000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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