# PKA IIβ reg (T109) polyclonal antibody

Catalog: BCP01318

Host: Rabbit

Reactivity: Human

y: Human, Mouse, Rat

## **BackGround:**

The second messenger cyclic AMP (cAMP) mediates diverse cellular responses to external signals such as proliferation, ion transport, regulation of metabolism and gene transcription by activation of the cAMP-dependent protein kinase (cAPK or PKA). Activation of PKA occurs when cAMP binds to the two regulatory subunits of the tetrameric PKA holoenzyme resulting in release of active catalytic subunits. Three catalytic (C) subunits have been identified, designated C $\alpha$ , C $\beta$  and C $\gamma$ , that each represent specific gene products. C $\alpha$  and C $\beta$  are closely related (93% amino acid sequence similarity), whereas C $\gamma$  displays 83% and 79% similarity to C $\alpha$  and C $\beta$ , respectively.

#### **Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

## **Molecular Weight:**

~ 46 kDa

**Swiss-Prot:** 

#### P31323

#### **Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## **Applications:**

WB: 1:500~1:1000

IHC: 1:50~1:200

#### Storage&Stability:

Store at  $4 \,^{\circ}{\rm C}$  short term. Aliquot and store at  $-20 \,^{\circ}{\rm C}$  long term. Avoid freeze-thaw cycles.

## **Specificity:**

PKA IIB reg (T109) polyclonal antibody detects endoge-

# nous levels of PKA IIB reg protein.

## **DATA:**



Western blot (WB) analysis of PKA IIß reg (T109) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate Lane2:Raw264.7 whole cell lysate Lane3:H9C2 whole cell lysate Lane4:A549 whole cell lysate

Lane5:sp2/0 whole cell lysate



Immunohistochemistry (IHC) analyzes of PKA II $\beta$  reg (T109) pAb in paraffin-embedded human cervix carcinoma tissue.

#### Note:

For research use only, not for use in diagnostic procedure.