

PKA β cat (D324) polyclonal antibody

Catalog: BS1955

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

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 α , C β and C γ , that each represent specific gene products. C α and C β are closely related (93% amino acid sequence similarity), whereas C γ displays 83% and 79% similarity to C α and C β , respectively. Activation of transcription upon elevation of cAMP levels results from translocation of PKA to the nucleus where it phosphorylates the transcription factor cAMP response element binding protein (CREB) on serine 133 which in turn leads to TFIIB binding to TATA-box-binding protein TBP1, thus linking phospho-CREB to the Pol II transcription initiation complex.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 40 kDa

Swiss-Prot:

P22694

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

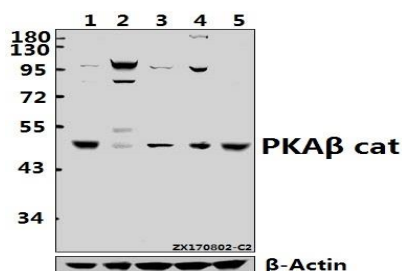
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PKA β cat (D324) polyclonal antibody detects endogenous levels of PKA β cat protein.

DATA:



Western blot (WB) analysis of PKA β cat (D324) pAb at 1:500 dilution

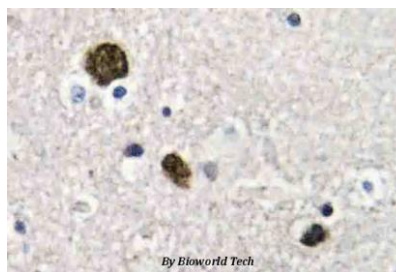
Lane1:K562 whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:C6 whole cell lysate(40ug)

Lane5:SP2/0 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of PKA β cat (D324) pAb in paraffin-embedded human brain tissue.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151