Calmodulin (K75) polyclonal antibody

Catalog: BCP00317 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The level of intracellular calcium is tightly regulated in all eukaryotic cells. A modest increase in this level can result in a myriad of physiological responses, most of which are mediated by calmodulin (CaM), the universal calcium sensor. CaM directly modulates the activity of protein kinases and phosphatases, ion channels and nitric oxide synthetases. It is generally involved in such diverse processes as cell proliferation, endocytosis, cellular adhesion, protein turn over and smooth muscle contraction. CaM (calmodulin) is an acidic protein, 148 amino acids in length, with four helix-loop-helix calcium binding domains.

Product:

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

Molecular Weight:

~ 22 kDa

Swiss-Prot:

P62158

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

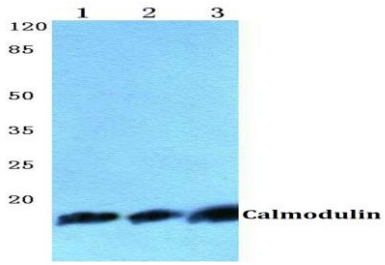
Storage&Stability:

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

Specificity:

Calmodulin (K75) polyclonal antibody detects endogenous levels of Calmodulin protein

DATA:



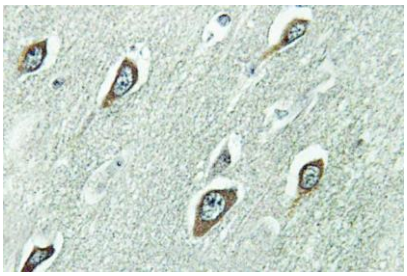
Western blot (WB) analysis of Calmodulin (K75) pAb at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:PC3 whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:BV2 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Calmodulin (K75) pAb in paraffin-embedded human brain and breast carcinoma tissue.

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.