

CaMKV (N217) polyclonal antibody

Catalog: BS2493

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The Ca²⁺/calmodulin-dependent protein kinases (CaMKs) comprise a structurally related subfamily of serine/threonine kinases. CaMKV (CaM kinase-like vesicle-associated), also known as IG5 or VACAMKL, is a 501 amino acid protein that localizes to cytoplasmic vesicles, as well as to the cell membrane, and contains one protein kinase domain. Although a member of the CaMK family, CaMKV is thought to be catalytically inactive, but it may play a role in vesicle function and nervous system development. Multiple isoforms of CaMKV exist due to alternative splicing events. The gene encoding CaMKV maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

Product:

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

Molecular Weight:

~ 54 kDa

Swiss-Prot:

Q8NCB2

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: 1:1000~1:2000

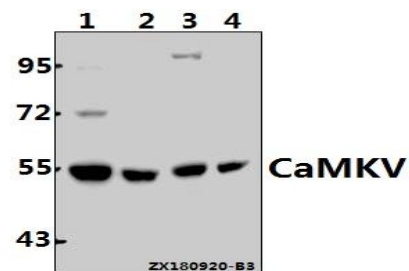
Storage&Stability:

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

Specificity:

CaMKV (N217) polyclonal antibody detects endogenous levels of CaMKV protein.

DATA:



Western blot (WB) analysis of CaMKV (N217) polyclonal antibody at 1:1000 dilution

Lane1:HEK293T whole cell lysate(40ug)

Lane2:U-87MG whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

Lane4:BV2 whole cell lysate(40ug)

Note:

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

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