

cGKII (D412) polyclonal antibody

Catalog: BS2483

Host: Rabbit

Reactivity: Human

BackGround:

cGKII (cGMP-dependent protein kinase type II) is a major receptor of intracellular cGMP, and mediates a plethora of physiological responses. cGKII has a predicted molecular weight of 86 kDa, and contains a conserved leucine zipper motif at the amino terminus. It is expressed in small intestine, colon, prostate, and human brain tissues, and the cGKII gene maps to chromosome 4q13.1-q21.1. cGKII has been shown to regulate the ion transport system in the intestine. Myristoylation of the penultimate glycine in cGKII appears to be essential for directing cGKII to the membrane, since cGKII is devoid of any hydrophobic transmembrane domains. The translocation of cGKII from the cytosol to the membrane allows it to function properly in regulating intestinal ion transport.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 90 kDa

Swiss-Prot:

Q13237

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

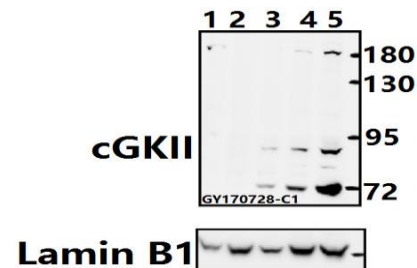
Storage&Stability:

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

Specificity:

cGKii (D412) polyclonal antibody detects endogenous levels of cGKii protein.

DATA:



Western blot (WB) analysis of cGKII (D412) pAb at 1:500 dilution

Lane1:CT26 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(40ug)

Lane3:U-87MG whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:HEK293T whole cell lysate(40ug)

Note:

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

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