

DGK-ε (S194) polyclonal antibody

Catalog: BS2281

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Diacylglycerol (DAG) influences numerous cell signaling cascades by functioning as an intracellular, allosteric activator of protein kinase C (PKC), and as a potent activator of guanine nucleotide exchange factors. In order to maintain cellular homeostasis, intracellular DAG levels are tightly regulated by diacylglycerol kinases (DGKs, DAGKs), which phosphorylate DAG to phosphatidic acid, thus removing DAG. Human DGK-α (80 kDa), -β (90 kDa), and -γ (90 kDa) have calcium-binding EF-hand motifs at their N termini and are classified as type I DGKs. Human DGK-δ (130 kDa) and DGK-i (130 kDa) contain N-terminal pleckstrin homology (PH) domains and are classified as type II. Human DGK-ε (64 kDa) contains no identifiable regulatory domains and is classified as a type III DGK. Human DGK-ζ (104 kDa) and -iota (130 kDa) possess C-terminal ankyrin repeats and are classified as type IV DGKs. Human DGK-θ (110 kDa) contains 3 cysteine-rich domains and a PH domain and is classified as a type V DGK.

Product:

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

Molecular Weight:

~ 64 kDa

Swiss-Prot:

P52429

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:

IHC: 1:50~1:200

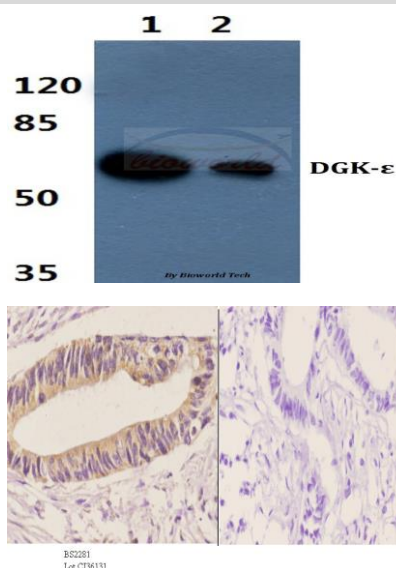
Storage&Stability:

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

Specificity:

DGK-ε (S194) polyclonal antibody detects endogenous levels of DGK-ε protein.

DATA:



Immunohistochemistry (IHC) analyzes of DGK-ε(S194) pAb in paraffin-embedded human rectum carcinoma tissue at 1:50. showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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