DGK-θ (S725) polyclonal antibody

Catalog: BS2479 Host: Rabbit Reactivity: Human

BackGround:

Diacylglycerol (DAG) is a fundamental lipid second messenger that is produced in the nucleus. The accumulation of DAG in the nucleus is important for the regulation of cell growth and differentiation. Diacylglycerol kinases (DGKs) convert DAG to phosphatidic acid, thereby terminating diacylglycerol signaling, which results in the reduction of protein kinase C activity and cell cycle progression of T lymphocytes. Diacylglycerol kinases are divided into five subtypes, Type I-Type V. DGK-θ is a Type V DGK, and localizes mainly to the nucleus of various cell lines, such as MDA-MB-453, MCF-7, PC12 and HeLa. Nuclear DGK-θ co-localizes with phosphatidylinositol 4,5-bisphosphate (PIP(2)). DGK-θ is the isoform responsive to α-Thrombin stimulation.

Product:

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

Molecular Weight:

~ 101 kDa

Swiss-Prot:

P52824

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

Specificity:

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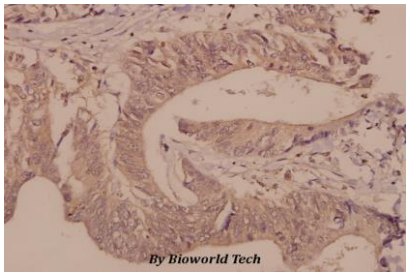
DATA:



Immunohistochemistry (IHC) analyzes of DGK-θ (S725) pAb in paraffin-embedded human colorectal carcinoma tissue at 1:50.

Note:

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

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