

DGK-α (A340) polyclonal antibody

Catalog: BS1960

Host: Rabbit

Reactivity: Human, Rat

BackGround:

Diacylglycerol kinases (DGKs) phosphorylate diacylglycerol (DAG) to produce phosphatidic acid. DAG and phosphatidic acid are lipids that act as second messengers in signaling cascades. DGK-alpha influences cell activation and secretion of lethal exosomes, which in turn control cell death. DGK-beta is abundant in restricted brain regions such as the caudate putamen and olfactory tubercle. DGK-gamma encodes full-length and truncated transcripts that are present in a range of human tissues, with greatest expression observed in retina. DGK-delta is most abundant in skeletal muscle. DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol and is expressed predominantly in testis. DGK-zeta is most abundant in brain and muscle. DGK-eta is closely related to DGK-delta. DGK-theta is most abundant in the cerebellum and hippocampus.

Product:

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

Molecular Weight:

~ 83 kDa

Swiss-Prot:

P23743

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:

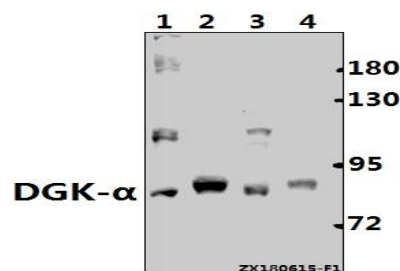
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

Specificity:

DGK-α (A340) polyclonal antibody detects endogenous levels of DGK-α protein.

DATA:



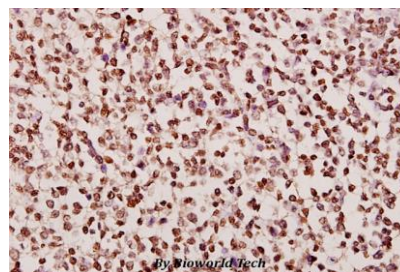
Western blot (WB) analysis of DGK-α (A340) pAb at 1:2000 dilution

Lane1:C6 whole cell lysate(40ug)

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

Lane3:Myla2059 whole cell lysate(40ug)

Lane4:HuT78 whole cell lysate(10ug)



Immunohistochemistry (IHC) analyzes of DGK-α (A340) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50.

Note:

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

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