

Datasheet for ABIN7581173 anti-DGKA antibody

Image



Overview

1

| Quantity: | 200 µL |
|--------------|-------------------------------------|
| Target: | DGKA |
| Reactivity: | Human |
| Host: | Sheep |
| Clonality: | Polyclonal |
| Conjugate: | This DGKA antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Purpose: | Sheep polyclonal antibody against diacylglycerol kinase α (DGK α) |
|-----------------------------|--|
| Immunogen: | peptide = MAKERGLISPSDFAQL |
| lsotype: | lgG |
| Specificity: | This antibody recognizes the alpha isoform of diacylglycerol kinase (DGK). DGK catalyzes a reaction terminating the protein kinase C mediated signaling by converting diacylglycerol (DAG) to phosphatidic acid (PA), a signaling lipid which is involved in DNA synthesis, phospholipid synthesis, and regulation of several enzymes. |
| Cross-Reactivity (Details): | Shown to recognize an 80-85kDa recombinant DGKa protein with non-specific cross activity to wild-type DGK ζ protein. |
| Purification: | Serum |

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Target Details

| Target: | DGKA |
|-------------------|--|
| Alternative Name: | DGK Alpha (DGKA Products) |
| Background: | DGK catalyzes a reaction terminating the protein kinase C (PKC)mediated signaling by converting diacylglycerol (DAG) to phosphatidic acid (PA), a signaling lipid which is involved in |
| | DNA synthesis, phospholipid synthesis, and regulation of several enzymes. DAG is an |
| | intermediate in phospholipid synthesis which functions as an allosteric activator of PKC. The |
| | alpha isoform is a type I DGKs, and has slightly different calcium-responsiveness. |

Application Details

| Application Notes: | WB – 1:1000 Other in vitro and cellular applications are possible using this antibody, but have |
|--------------------|---|
| | not been verified. |
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|------------------|---|
| Buffer: | 0.01% thiomersal |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4 °C for up to 30 days. Aliquot and store at -20 °C if longer storage is necessary. |
| | Antibody is stable for at least 2 years when stored at -20 °C. Avoid repeated freeze/thaw cycles. |

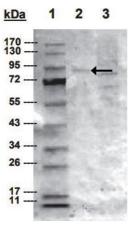
Images

12% Acrylamide Gel Detected by TMB

> Lane 1: Protein Marker

Lane 2: Recombinant DGKα protein

Wild-type DGKa protein



Western Blotting

Image 1. Anti-DGK peptide polyclonal antibody (1:1000)