

Datasheet for ABIN7581194 **anti-DGKZ antibody**



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Overview

Quantity:	50 µg
Target:	DGKZ
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit polyclonal antibody against human diacylglycerol kinase zeta (DGKζ)
Immunogen:	peptide = LENRQHYQMIQREDQE
Isotype:	IgG
Cross-Reactivity (Details):	Shown to recognize a ~117kDa protein in wild-type DGK ζ protein with no cross activity to recombinant DGKα Protein.
Purification:	Serum

Target Details

Target:	DGKZ
Alternative Name:	DGK Zeta (DGKZ 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

Target Details

intermediate in phospholipid synthesis which functions as an allosteric activator of PKC.
Research shows the zeta isoform of DGK undergoes tissue-specific alternative splicing resulting in an elongated N terminus enzyme predominantly in muscle.

Pathways: [Myometrial Relaxation and Contraction](#)

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.