

Datasheet for ABIN392727
anti-DGKB antibody (C-Term)[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	400 µL
Target:	DGKB
Binding Specificity:	AA 773-804, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DGKB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This DGKB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 773-804 amino acids from the C-terminal region of human DGKB.
Clone:	RB3877
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	DGKB
Alternative Name:	DGKB (DGKB Products)

Target Details

Background: Diacylglycerol (DAG) is an allosteric activator of protein kinase C. DAG also participates in regulating RAS and RHO family proteins by activating the guanine nucleotide exchange factors VAV and RASGRP1. DAG is also involved in the synthesis of phospholipids and triacylglycerols. Tight regulation of DAG levels is achieved via DAG kinases (DGKs), which remove DAG by phosphorylate it to phosphatidic acid. Several mammalian isozymes of DAGK have been identified

Molecular Weight: 90595

Gene ID: 1607

NCBI Accession: [NP_004071](#), [NP_663733](#)

UniProt: [Q9Y6T7](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

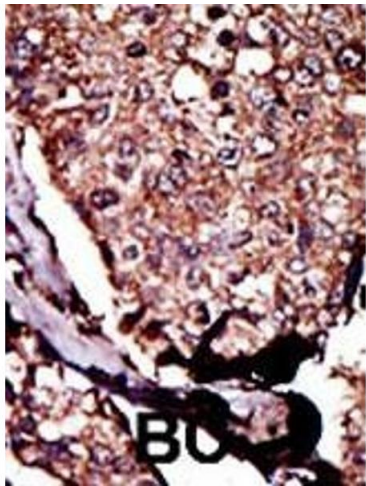
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

Publications

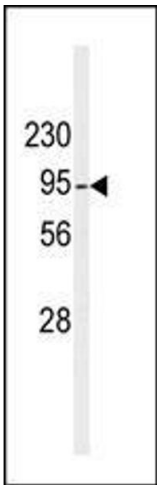
Product cited in: Wang, Luo, Che, Li, Gao, Yang, Zhou, Gao, Wang, Liang, Zhang: "Placental protein 14 as a potential biomarker for diagnosis of preterm premature rupture of membranes." in: **Molecular medicine reports**, Vol. 18, Issue 1, pp. 113-122, (2018) ([PubMed](#)).

Zhang, Abudula, Awuti, Wang, Aihemaiti, Tusung, Sulaiman, Upur: "Plasma proteins as potential targets of abnormal Savda syndrome in asthma patients treated with unique Uighur prescription." in: **Experimental and therapeutic medicine**, Vol. 14, Issue 1, pp. 267-275, (2017) ([PubMed](#)).



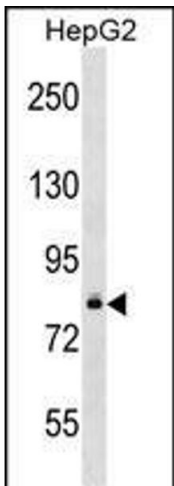
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of anti-hDGKB- Pab (ABIN392727 and ABIN2842191) in mouse liver tissue lysate. hDGKB-(arrow) was detected using the purified Pab.



Western Blotting

Image 3. DGKB Antibody (ABIN392727 and ABIN2842191) western blot analysis in HepG2 cell line lysates (35 μ g/lane). This demonstrates the DGKB antibody detected the DGKB protein (arrow).