

## Product datasheet for **AP15094PU-N**

### DGKB (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Peptide ELISA:</b> 1/1,000. <b>Western blotting:</b> 1/100 - 1/500. <b>Immunohistochemistry:</b> 1/50 - 1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 773-804 amino acids from the C-terminal region of human DGKB.
Specificity:	This antibody reacts to DGKB.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	diacylglycerol kinase beta
Database Link:	<a href="#">Entrez Gene 1607 Human Q9Y6T7</a>



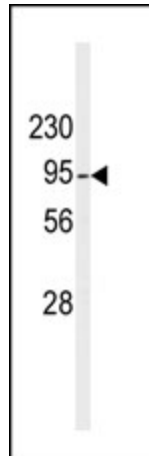
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**Background:**

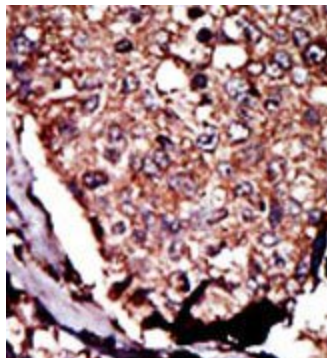
Diacylglycerol (DAG) is an allosteric activator of protein kinase C. DAG also participates in regulating RAS and RHO family proteins by activating the guanine nucleotide exchange factors VAV and RASGRP1. DAG is also involved in the synthesis of phospholipids and triacylglycerols. Tight regulation of 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

**Synonyms:**

Diacylglycerol kinase beta, Diglyceride kinase beta, DGKB, DAGK2, KIAA0718

**Product images:**

Western blot analysis of anti-hDGKB-T787 Pab in mouse liver tissue lysate. hDGKB-T787 (arrow) was detected using the purified Pab.



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.