

## Product datasheet for **AP15096PU-N**

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

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | IHC, WB  |
| Recommended Dilution: | <b>Peptide ELISA:</b> 1/1,000.<br><b>Western Blot:</b> 1/1,000.<br><b>Immunohistochemistry:</b> 1/50 - 1/100.                  |
| Reactivity:           | Human  |
| Host:                 | Rabbit   |
| Isotype:              | Ig   |
| Clonality:            | Polyclonal   |
| Immunogen:            | KLH conjugated synthetic peptide between 598-628 amino acids from the C-terminal region of human DGKA.                         |
| Specificity:          | This antibody reacts to DGKA.  |
| Formulation:          | PBS with 0.09% (W/V) sodium azide<br>State: Purified<br>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 alpha  |
| Database Link:        | <a href="#">Entrez Gene 1606 Human P23743</a>  |



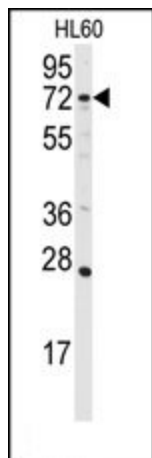
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**Background:**

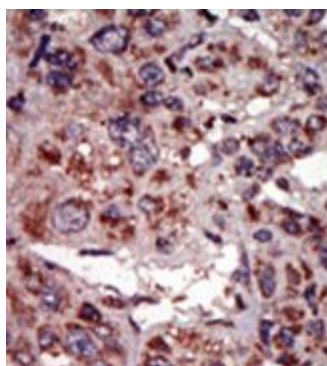
Upon cell stimulation, the kinase DGKA converts the second messenger diacylglycerol into phosphatidate, initiating the resynthesis of phosphatidylinositols and attenuating protein kinase C activity. DGKA is stimulated by calcium and phosphatidylserine, and is phosphorylated by protein kinase C. Tissue expression is in lymphocytes and oligodendroglial cells. DGKA contains 2 zinc-dependent phorbol-ester and DAG binding domains, and 2 EF-hand calcium binding domains.

**Synonyms:**

Diacylglycerol kinase alpha, Diglyceride kinase alpha, DGKA, DAGK, DAGK1, DGK-alpha

**Product images:**

Western blot analysis of anti-DGKA Antibody (C-term) in HL60 cell line lysates (35ug/lane). DGKA (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 AEC staining.