

Product datasheet for TA302108S

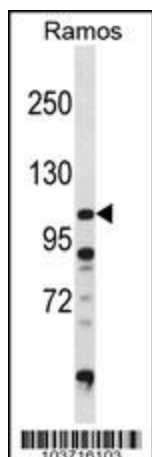
DGKZ Rabbit Polyclonal Antibody

Product data:

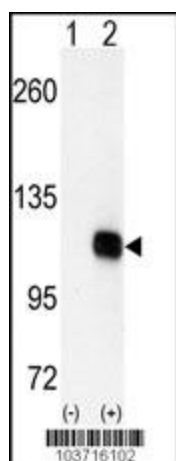
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|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IF, IHC, WB |
| Recommended Dilution: | WB: 1:1000, IHC: 1:50~100, IF: 1:10~50 |
| Reactivity: | Human |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This DGKZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 989-1019 amino acids from the C-terminal region of human DGKZ. |
| Formulation: | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 124122 Da |
| Gene Name: | diacylglycerol kinase zeta |
| Database Link: | NP_003637 Entrez Gene 8525 Human Q13574 |
| Background: | DGKZ belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. |
| Synonyms: | DAGK5; DAGK6; DGK-ZETA; hDGKzeta |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Phosphatidylinositol signaling system |


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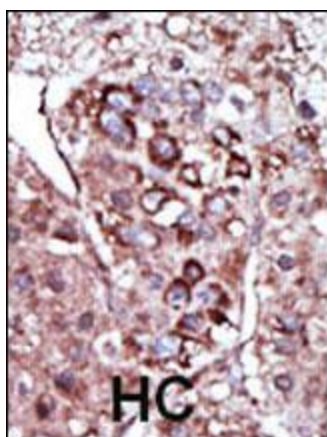
Product images:



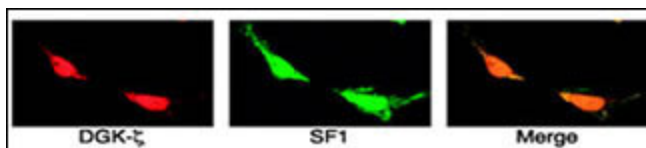
DGKZ Antibody (D1004) (Cat. #TA302108]) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the DGKZ antibody detected the DGKZ protein (arrow).



Western blot analysis of DGKZ (arrow) using DGKZ Antibody (C-term) (Cat.#TA302108]). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DGKZ gene (Lane 2) (Origene Technologies).



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. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



SF1 colocalizes with DGK and PA in the nuclei of H295R cells. Cells were plated onto glass coverslips, fixed, permeabilized, and incubated with anti-SF1 and anti-DGKZ (B) for 1 h. Coverslips were washed and incubated with anti-fluorescein isothiocyanate and antirhodamine, and immunofluorescence was detected by confocal microscopy.