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Product datasheet for AP20528PU-M

DAGK (DGKQ) Rabbit Polyclonal Antibody

Product data:

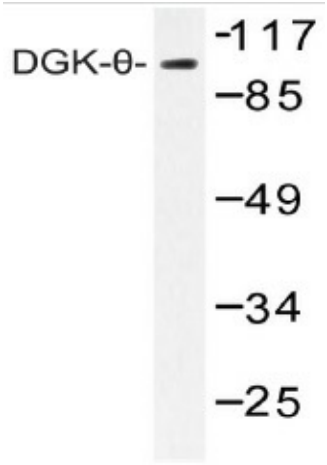
Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	**Western blot:** 1/500 - 1/1000. **Immunohistochemistry on paraffin sections:** 1/50 - 1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody reacts to DGKQ.
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store 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.
Predicted Protein Size:	~ 101 kDa
Gene Name:	diacylglycerol kinase theta
Database Link:	Entrez Gene 1609 Human P52824

View online »

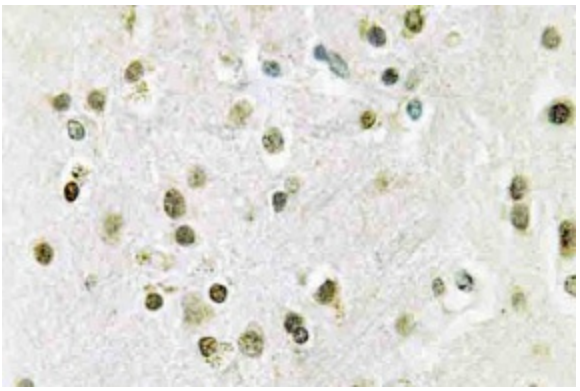
Background: Diacylglycerol (DAG) is a fundamental lipid second messenger that is produced in the nucleus. The accumulation of DAG in the nucleus is important for the regulation of cell growth and differentiation. Diacylglycerol kinases (DGKs) convert DAG to phosphatidic acid, thereby terminating diacylglycerol signaling, which results in the reduction of protein kinase C activity and cell cycle progression of T lymphocytes. Diacylglycerol kinases are divided into five subtypes, Type I-Type V. DGK-theta is a Type V DGK, and localizes mainly to the nucleus of various cell lines, such as MDA-MB-453, MCF-7, PC12 and HeLa. Nuclear DGK-theta co-localizes with phosphatidylinositol 4,5-bisphosphate (PIP(2)). DGK-theta is the isoform responsive to alpha-Thrombin stimulation.

Synonyms: Diacylglycerol kinase theta, DGKQ, DAGK4, Diglyceride kinase theta, DGK-theta

Product images:



Western blot (WB) analysis of DGK-theta antibody (Cat.-No.: [AP20528PU-N]) in extracts from HT-29 cells.



Immunohistochemistry (IHC) analyzes of DGK-theta antibody (Cat.-No.: [AP20528PU-N]) in paraffin-embedded human brain tissue.