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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Mouse anti DGKa

Catalogue number: **MUB2009P**

Clone	M5a
Isotype	IgG2a
Product Type	Primary Antibodies
Units	0.1 mg
Host	Mouse (Balb/c)
Species reactivity	Human
Application	Immunoblotting Immunoprecipitation

Distributors

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Background

Diacylglycerol kinase alpha is an enzyme that in Humans is encoded by the DGKA gene. The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It acts as a modulator that competes with protein kinase C for the second messenger diacylglycerol in intracellular signaling pathways. It also plays an important role in the resynthesis of phosphatidylinositols and phosphorylating diacylglycerol to phosphatidic acid. Alternative splicing occurs at this locus and four transcript variants encoding the same protein have been identified. Tissue specificity: lymphocytes and oligodendroglial cells. Diacylglycerol kinases are involved in cell signaling, either as regulators of diacylglycerol levels or as intracellular signal-generating enzymes.

Source

M5a is a Mouse monoclonal IgG1 antibody derived by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with an Escherichia coli cell-expressed, affinity-purified glutathione S-transferase fusion protein of a C-terminal portion (part of the Catalytic domain) of Rat DGKu.

Product

Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Applications

M5A is useful for immunoprecipitation and western blot. Optimal antibody dilution should be determined by titration.

Specificity

M5A is directed anti the C-terminal portion (part of the Catalytic domain) of Rat DGKa.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Brahim Houssa, Dick Schaap, Jose´ van der Wal, Kaoru Gotoi, Hisatake Kondo, Akio Yamakawa, Masao Shibata, Tadaomi Takenawa, and Wim J. van Blitterswijk THE JOURNAL OF BIOLOGICAL CHEMISTRY Vol. 272, No. 16, Issue of April 18, pp. 10422-10428, 1997.
2. Santina Cutrupi. Src-mediated activation of -diacylglycerol kinase is required for hepatocyte growth factor-induced cell motility. EMBO.2000, vol 19,46-13.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.