



DGK-θ Monoclonal Antibody

Catalog No	YP-mAb-14727
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DGKQ
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKQ. AA range:691-740
Specificity	DGK-θ Monoclonal Antibody detects endogenous levels of DGK-θ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DAG kinase theta;DAGK4;DAGK7;DGK theta;DGK-theta;Dgkq;DGKQ_HUMAN; Diacylglycerol kinase delta (11kD);Diacylglycerol kinase theta 11kDa; Diacylglycerol kinase theta;Diglyceride kinase theta;DGK-θ
Observed Band	101kD
Calculated Molecular Weight	101kD
Cell Pathway	Cytoplasm . Cytoplasm, cytosol . Cell membrane . Cell junction, synapse . Cytoplasm, cytoskeleton . Nucleus . Nucleus speckle . Nucleus matrix . Translocates to the plasma membrane in response to steroid hormone receptor stimulation (PubMed:15632189). Translocation to the plasma membrane is dependent on G-protein coupled receptor stimulation and subsequent activation of PRKCE and probably PRKCH (PubMed:15632189). Translocates to the nucleus in response to thrombin stimulation (Probable). Association with the nuclear matrix is regulated by nerve growth factor (By similarity). .
Tissue Specificity	Brain,
Function	catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,similarity:Belongs to the eukaryotic diacylglycerol kinase family., similarity:Contains 1 DAGKc domain.,similarity:Contains 1 Ras-associating



domain.,similarity:Contains 3 phorbol-ester/DAG-type zinc fingers.,

Background

The protein encoded by this gene contains three cysteine-rich domains, a proline-rich region, and a pleckstrin homology domain with an overlapping Ras-associating domain. It is localized in the speckle domains of the nucleus, and mediates the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. [provided by RefSeq, Jul 2008],

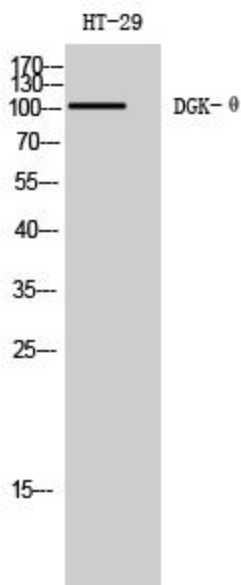
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using DGK-θ Monoclonal Antibody