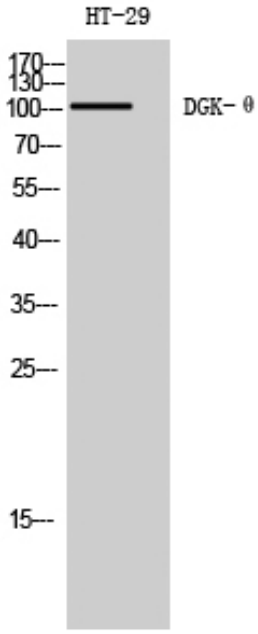
DGK-θ Polyclonal Antibody

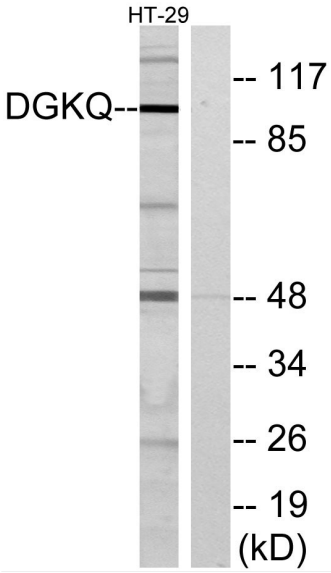
Catalog No	YP-Ab-14727
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	DGKQ
Protein Name	Diacylglycerol kinase theta
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKQ. AA range:691-740
Specificity	DGK-θ Polyclonal Antibody detects endogenous levels of DGK-θ protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DGKQ; DAGK4; Diacylglycerol kinase theta; DAG kinase theta; Diglyceride kinase theta; DGK-theta
Observed Band	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.

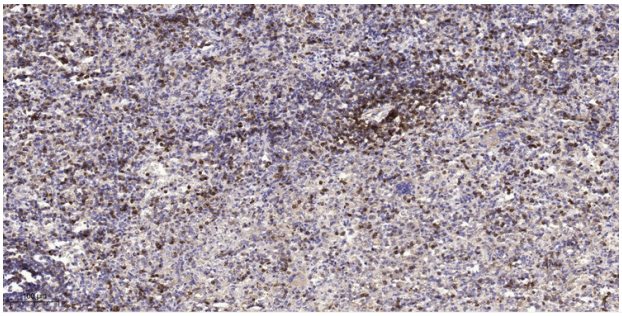
Products Images



Western Blot analysis of HT-29 cells using DGK-θ Polyclonal Antibody



Western blot analysis of lysates from HT-29 cells, using DGKQ Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200