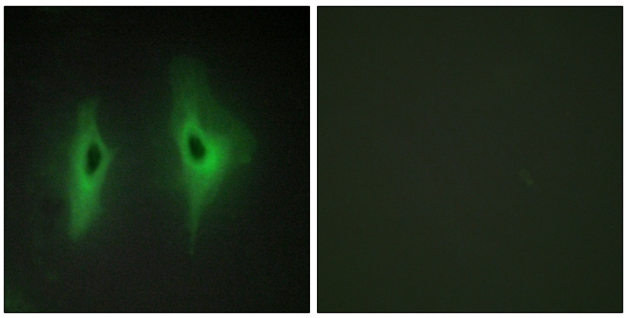
DGK-η Polyclonal Antibody

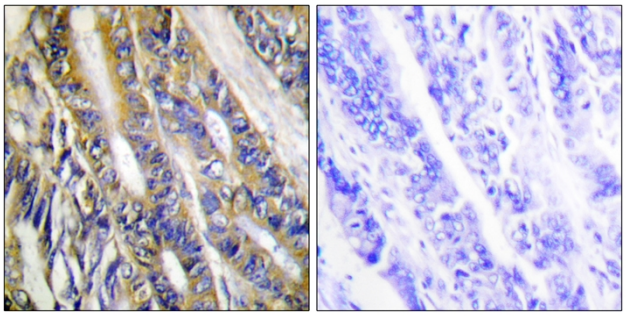
Catalog No	BYab-14726
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	DGKH
Protein Name	Diacylglycerol kinase eta
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKH. AA range:771-820
Specificity	DGK-η Polyclonal Antibody detects endogenous levels of DGK-η 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	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DGKH; Diacylglycerol kinase eta; DAG kinase eta; Diglyceride kinase eta; DGK-eta
Observed Band	
Cell Pathway	Cytoplasm . Cell membrane . Translocated from the cytoplasm to endosomes in response to stress stimuli (PubMed:12810723). Isoform 2 is rapidly relocated back to the cytoplasm upon removal of stress stimuli, whereas isoform 1 exhibits sustained endosomal association (PubMed:12810723). Translocates from the cytoplasm to the cell membrane in the presence of active GTP-bound form of HRAS (PubMed:19710016).
Tissue Specificity	[Isoform 1]: Expressed only in testis, kidney and colon. ; [Isoform 2]: Ubiquitously expressed.
Function	catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,function:Phosphorylates diacylglycerol (DAG) to generate phosphatidic acid (PA).,PTM:Phosphorylated; does not inhibit catalytic activity.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 SAM (sterile alpha motif)

	domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,subcellular location:Translocated from the cytoplasm to endosomes in response to stress stimuli. Isoform 2 is rapidly relocated back to the cytoplasm upon removal of stress stimuli, whereas isoform 1 exhibits sustained endosomal association.,subunit:Isoform 1 forms homooligomers through the SAM domain. Isoform 1 is also able to form heterooligomers with SAM domain-containing isoforms of DGKD. Oligomerization of isoform
Background	diacylglycerol kinase eta(DGKH) Homo sapiens This gene encodes a member of the diacylglycerol kinase (DGK) enzyme family. Members of this family are involved in regulating intracellular concentrations of diacylglycerol and phosphatidic acid. Variation in this gene has been associated with bipolar disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Jul 2014],
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



Immunofluorescence analysis of HeLa cells, using DGKH Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue, using DGKH Antibody. The picture on the right is blocked with the synthesized peptide.