



DGK-ε Monoclonal Antibody

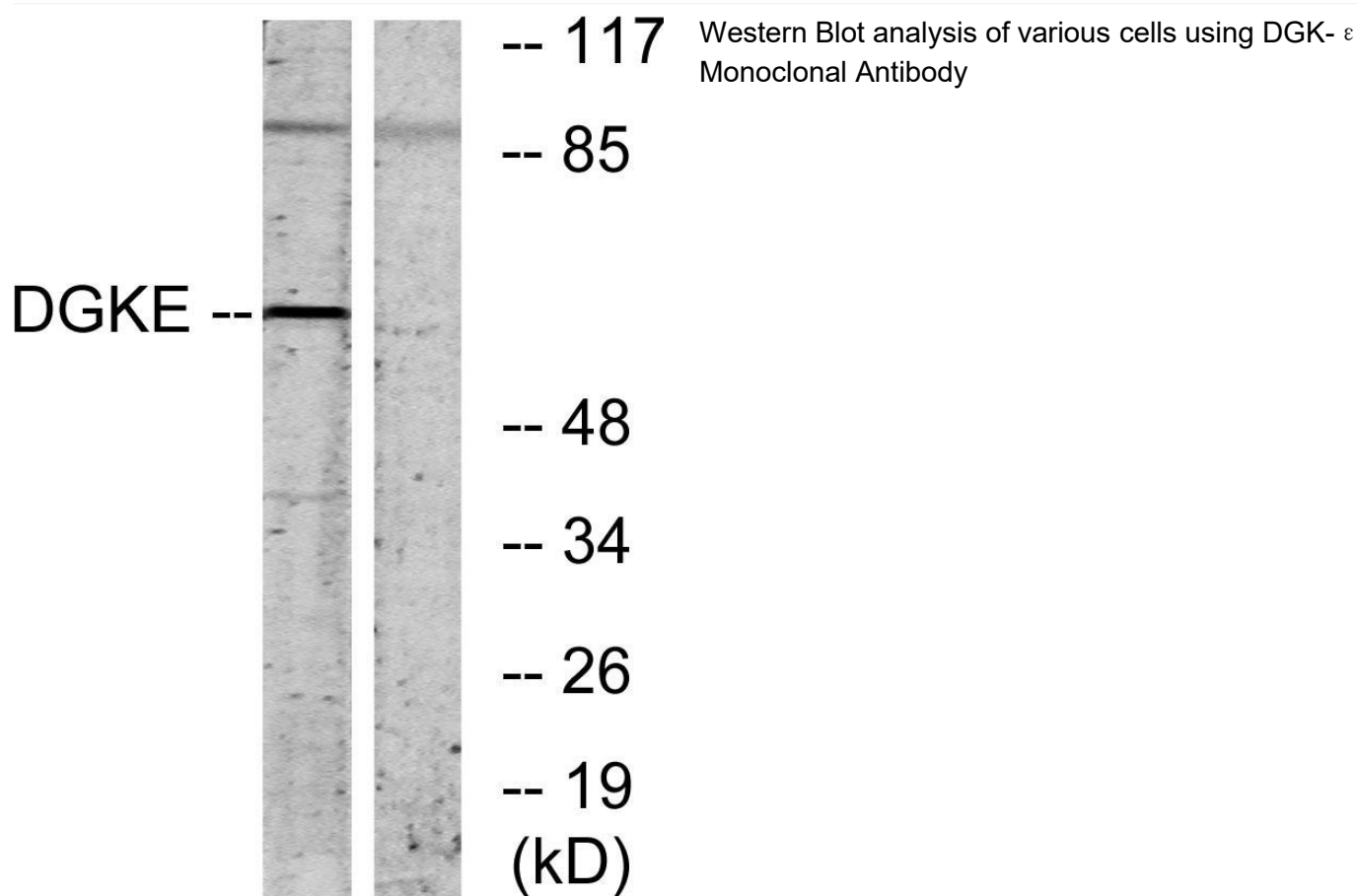
Catalog No	BYmab-14724
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	DGKE
Protein Name	Diacylglycerol kinase epsilon
Immunogen	The antiserum was produced against synthesized peptide derived from human DGKE. AA range:161-210
Specificity	DGK- ε Monoclonal Antibody detects endogenous levels of DGK- ε 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	DGKE; DAGK5; Diacylglycerol kinase epsilon; DAG kinase epsilon; Diglyceride kinase epsilon; DGK-epsilon
Observed Band	60kD
Cell Pathway	Membrane ; Single-pass membrane protein . Cytoplasm .
Tissue Specificity	Expressed predominantly in testis. Expressed in endothelium, platelets and podocytes (at protein level).
Function	catalytic activity:ATP + 1,2-diacylglycerol = ADP + 1,2-diacyl-sn-glycerol 3-phosphate.,function:Highly selective for arachidonate-containing species of diacylglycerol (DAG). May terminate signals transmitted through arachidonoyl-DAG or may contribute to the synthesis of phospholipids with defined fatty acid composition.,similarity:Belongs to the eukaryotic diacylglycerol kinase family.,similarity:Contains 1 DAGKc domain.,similarity:Contains 2 phorbol-ester/DAG-type zinc fingers.,tissue specificity:Expressed predominantly in testis.,

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Background	Diacylglycerol kinases are thought to be involved mainly in the regeneration of phosphatidylinositol (PI) from diacylglycerol in the PI-cycle during cell signal transduction. When expressed in mammalian cells, DGK-epsilon shows specificity for arachidonyl-containing diacylglycerol. DGK-epsilon is expressed predominantly in testis. [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.

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