Anti-DGKZ Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R011583

Product Information

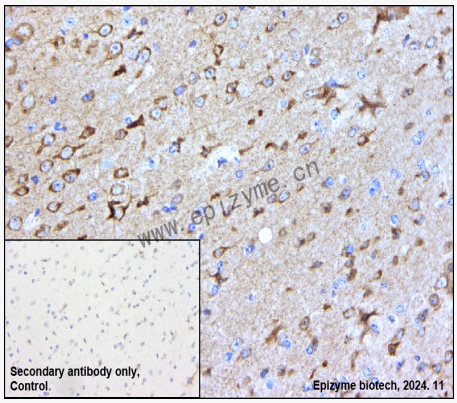
Application	IF (Cell)/ICC, ELISA, WB, IHC-P/IF (Tissue-P)
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	97K74L70
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human DGKZ/DGK-zeta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-DGKZ Rabbit mAb [97K74L70] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

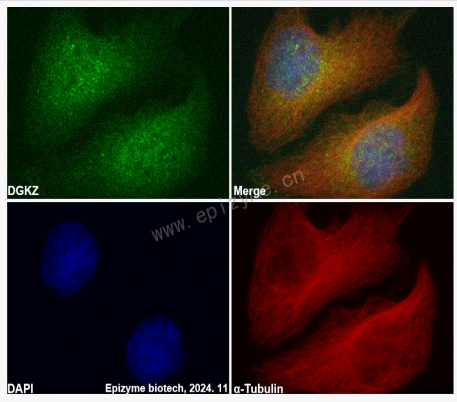
Synonyms	DAG kinase zeta, DAGK5, DAGK5 PEN, DAGK6, DGK ZETA, DGK-zeta, Dgkz, DGKZ_HUMAN, Diacylglycerol kinase zeta, Diglyceride kinase zeta, hDGKzeta.
Calculated MW	Calculated MW: 124 kDa; Observed MW: 90-130 kDa
Uniprot ID	Q13574
Gene ID	8525
Background	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Nov 2010]
Cellular Location	Cytoplasm. Nucleus. Cell membrane.
Tissue Location	Highest levels in brain, and substantial levels in skeletal muscle, heart, and pancreas. Isoform 1 is predominantly expressed in muscle.

Validation Images

Western Blot - Anti-DGKZ Rabbit mAb [97K74L70]
All lanes: R011583 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates
Lane 5: Rat kidney whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 124 kDa
Observed band size: 90-130 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-DGKZ Rabbit mAb [97K74L70]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R011583 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunofluorescence - Anti-DGKZ Rabbit mAb [97K74L70]
Sample: Hela cells
The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.
Primary antibodies: R011583 at 1:100 dilution and α-tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution
Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)
Nuclei were stained with DAPI (shown in blue).