

Rabbit anti-Human DGKZ Polyclonal Antibody | anti-DGKZ antibody

DGKZ Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284319	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

DGKZ; Polyclonal Antibody; DGKZ Antibody (C-term); Diacylglycerol kinase zeta; DAG kinase zeta; Diglyceride kinase zeta; DGK-zeta; DAGK6; anti-DGKZ antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DGKZ antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 989-1019 amino acids from the C-terminal region of human DGKZ.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	989-1019
Sequence Length	933
Applicable Applications for anti-DGKZ antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

SF1 colocalizes with DGK and PA in the nuclei of H295R cells. Cells were plated onto glass coverslips, fixed, permeabilized, and incubated with anti-SF1 and anti-DGKZ (B) for 1 h. Coverslips were washed and incubated with anti-fluorescein isothiocyanate and antirhodamine, and immunofluorescence was detected by confocal microscopy.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

**WB (Western Blot)**

Western blot analysis of DGKZ (arrow) using DGKZ Antibody (C-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the DGKZ gene (Lane 2) (Origene Technologies).

**WB (Western Blot)**

DGKZ Antibody (D1004) western blot analysis in Ramos cell line lysates (35ug/lane). This demonstrates the DGKZ antibody detected the DGKZ protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-DGKZ antibody	DGKZ 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.
Product Categories/Family for anti-DGKZ antibody	Cardiovascular ; Signal Transduction
References	Hogan, A., et al., J. Biol. Chem. 276(28):26526-26533 (2001). Topham, M.K., et al., Nature 394(6694):697-700 (1998). Ding, L., et al., Proc. Natl. Acad. Sci. U.S.A. 94(11):5519-5524 (1997). Bunting, M., et al., J. Biol. Chem. 271(17):10230-10236 (1996).

NCBI AND UNIPROT INFORMATION

NCBI GI #	157688564
NCBI GeneID	8525
NCBI Accession #	NP_001099010.1 ; NP_001186195.1 ; NP_001186196.1 ; NP_001186197.1 ; NP_003637.2 ; NP_963290.1 ; NP_963291.2
NCBI GenBank Nucleotide #	NM_001105540.1
UniProt Accession #	Q13574 ; O00542 ; Q6ZVG7 ; Q8IVW9 ; B7Z2M9 ; B7Z6M3 ; E9PPW4 ; F6UCU9 ; G3V0F6 ; J3KNJ6
Molecular Weight	124128
NCBI Official Full Name	diacylglycerol kinase zeta isoform 4
NCBI Official Synonym Full Names	diacylglycerol kinase, zeta
NCBI Official Symbol	DGKZ
NCBI Official Synonym Symbols	DAGK5; DAGK6; DGK-ZETA; hDGKzeta
NCBI Protein Information	diacylglycerol kinase zeta
UniProt Protein Name	Diacylglycerol kinase zeta
UniProt Gene Name	DGKZ
UniProt Synonym Gene Names	DAGK6; DAG kinase zeta; DGK-zeta
UniProt Entry Name	DGKZ_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dgkz-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/284319>