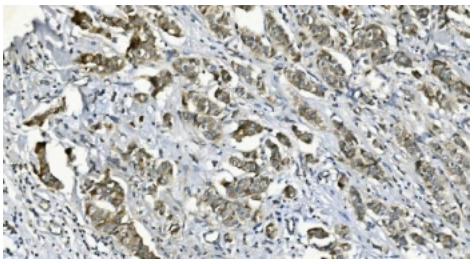
Diacylglycerol kinase zeta Antibody / DGKZ (RQ6125)

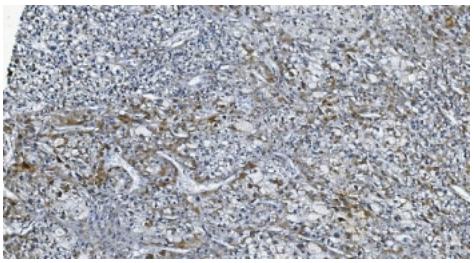
Catalog No.	Formulation	Size
RQ6125	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

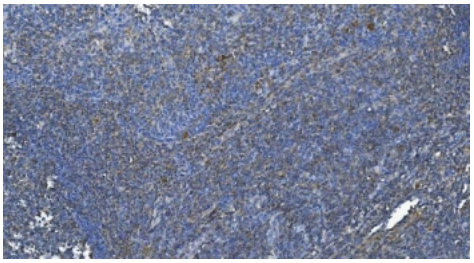
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q13574
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Diacylglycerol kinase zeta antibody is available for research use only.



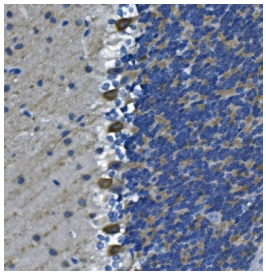
IHC staining of FFPE human breast cancer with Diacylglycerol kinase zeta antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



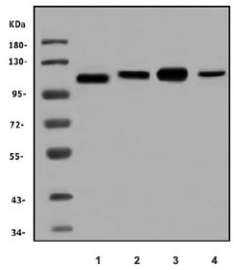
IHC staining of FFPE human liver cancer with Diacylglycerol kinase zeta antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



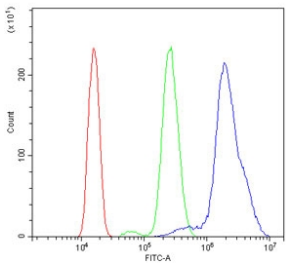
IHC staining of FFPE human tonsil with Diacylglycerol kinase zeta antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse brain tissue with Diacylglycerol kinase zeta antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human T-47D, 2) human ThP-1, 3) rat brain and 4) mouse brain lysate with Diacylglycerol kinase zeta antibody. Predicted molecular weight ~124 kDa.



Flow cytometry testing of human HL60 cells with Diacylglycerol kinase zeta antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Diacylglycerol kinase zeta antibody.

Description

Diacylglycerol kinase zeta is an enzyme that in humans is encoded by the DGKZ gene. 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.

Application Notes

Optimal dilution of the Diacylglycerol kinase zeta antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids E664-V928) was used as the immunogen for the Diacylglycerol kinase zeta antibody.

Storage

After reconstitution, the Diacylglycerol kinase zeta antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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