

DGKH antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI12617**Specification**

DGKH antibody - middle region - Product Information

Application	WB
Primary Accession	Q86XP1
Other Accession	NM_178009 , NP_821077
Reactivity	Human, Horse, Dog
Predicted	Human, Horse, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	135kDa KDa

DGKH antibody - middle region - Additional Information**Gene ID** 160851**Alias Symbol** **DGKeta, DKFZp761I1510****Other Names**

Diacylglycerol kinase eta, DAG kinase eta, 2.7.1.107, Diglyceride kinase eta, DGK-eta, DGKH

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-DGKH antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

DGKH antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

DGKH antibody - middle region - Protein Information**Name** DGKH ([HGNC:2854](#))**Function**

Diacylglycerol kinase that converts diacylglycerol/DAG into phosphatidic acid/phosphatidate/PA and regulates the respective levels of these two bioactive lipids (PubMed:12810723, PubMed:23949095). Thereby, acts as a central switch between the signaling pathways activated by these second messengers with different cellular targets and opposite effects in numerous biological processes (Probable) (PubMed:12810723, PubMed:23949095). Plays a key role in promoting cell growth (PubMed:<a

[19710016](http://www.uniprot.org/citations/19710016)). Activates the Ras/B-Raf/C-Raf/MEK/ERK signaling pathway induced by EGF (PubMed:[19710016](http://www.uniprot.org/citations/19710016)). Regulates the recruitment of RAF1 and BRAF from cytoplasm to membranes and their heterodimerization (PubMed:[19710016](http://www.uniprot.org/citations/19710016)).

Cellular Location

Cytoplasm. Cell membrane Note=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 Location

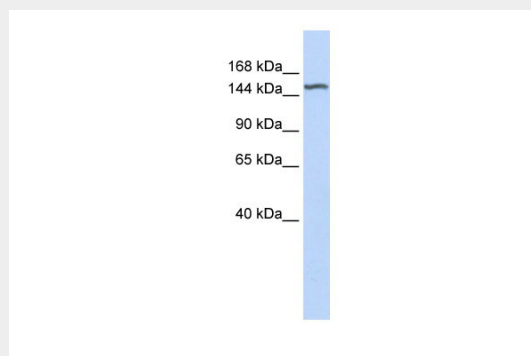
[Isoform 1]: Expressed only in testis, kidney and colon.

DGKH antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DGKH antibody - middle region - Images



WB Suggested Anti-DGKH Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:12500
Positive Control: Human Liver

DGKH antibody - middle region - References

Baum, A.E., (2008) Mol. Psychiatry 13(2), 197-207 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.