

## DGKH Polyclonal Antibody

Catalog number: 13873-1-AP

Size: 45 µg/150 µl

Source: Rabbit

Isotype: IgG

Synonyms:

DGKH; DAG kinase eta, DGK

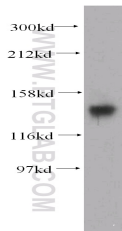
eta, DGKeta, DGKH,

Diacylglycerol kinase eta,

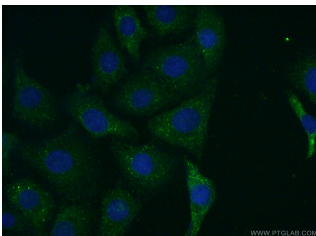
diacylglycerol kinase, eta,

Diglyceride kinase eta,

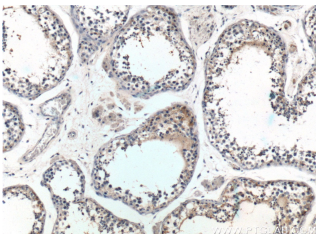
DKFZp76111510



mouse brain tissue were subjected to SDS PAGE followed by western blot with 13873-1-AP(DGKH antibody) at dilution of 1:300



Immunofluorescent analysis of ( -20h Acetone ) fixed SH-SY5Y cells using 13873-1-AP( DGKH Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry of paraffin-embedded human testis tissue slide using 13873-1-AP( DGKH Antibody) at dilution of 1:200 (under 10x lens).

### Background

DGKH(Diacylglycerol kinase eta) is also named as DGK-eta and belongs to the eukaryotic diacylglycerol kinase family. It is a key protein in the lithium-sensitive phosphatidyl inositol pathway, and more recently a link between environmental stress and schizophrenia and possibly bipolar disorder has been revealed. DGKH has 3 isoforms produced by alternative splicing. Two isoforms DGKH1 and DGKH2 with the molecular weight of 128 kDa and 135 kDa shows diacylglycerol kinase activity; however, the 2 isoforms differed in several other characteristics(PMID:12810723).

### Applications

Tested applications:	ELISA, WB, IP, IF, IHC
Cited applications:	IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse
Calculated DGKH MW:	1100aa, 122 kDa
Observed DGKH MW:	135 kDa
Positive WB detected in	Mouse brain tissue
Positive IP detected in	Mouse brain tissue
Positive IHC detected in	Human testis tissue
Positive IF detected in	SH-SY5Y cells
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:2000
	IHC: 1:50-1:500
	IF: 1:50-1:500

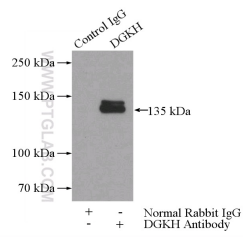
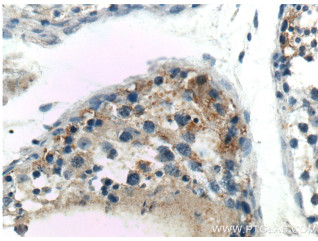
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4926
GenBank accession number:	BC043292
Gene ID (NCBI):	160851
Full name:	Diacylglycerol kinase, eta

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



**Immunohistochemistry of paraffin-embedded human testis tissue slide using 13873-1-AP( DGKH Antibody) at dilution of 1:200 (under 40x lens).**

**IP Result of anti-DGKH (IP:13873-1-AP, 5ug; Detection:13873-1-AP 1:500) with mouse brain tissue lysate 2640ug.**