

For Research Use Only

# TDRKH Monoclonal antibody

Catalog Number: 66845-1-Ig



## Basic Information

<b>Catalog Number:</b> 66845-1-Ig	<b>GenBank Accession Number:</b> BC032690	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2200 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 11022	<b>CloneNo.:</b> 2B1B12
<b>Source:</b> Mouse	<b>Full Name:</b> tudor and KH domain containing	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 606 aa, 67 kDa	
<b>Immunogen Catalog Number:</b> AG4720	<b>Observed MW:</b> 67-70 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

### Positive Controls:

**WB:** rat brain tissue, JAR cells, NCCIT cells, LNCaP cells, pig brain tissue, mouse brain tissue, rabbit brain tissue, rat testis tissue, mouse testis tissue, Rat brain

**IHC:** mouse testis tissue,

**IF:** HepG2 cells,

## Background Information

Tudor and KH domain-containing protein(TDRKH)Tudor domains are protein modules that mediate protein-protein interactions, potentially by binding to methylated ligands. Both KH and tudor domains are involved in binding RNA or single-strand DNA. Tudor also is a germ cell-specific protein with multiple Tudor domains and is involved in germ plasm formation and germ cell specification. TDRKH is one Tudor protein with a single Tudor domain.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

**\*\*\* 20ul sizes contain 0.1% BSA**

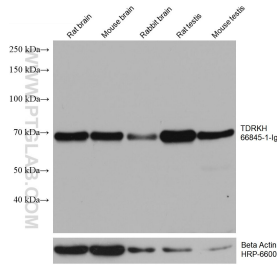
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

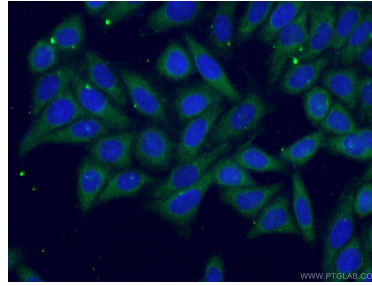
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

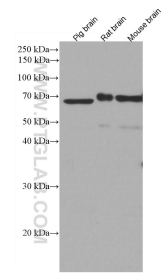
## Selected Validation Data



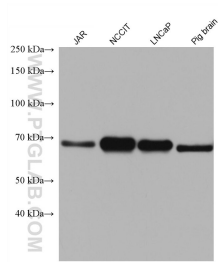
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



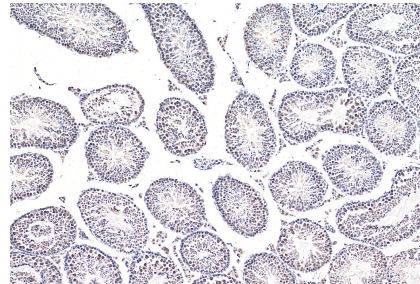
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66845-1-Ig (TDRKH antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



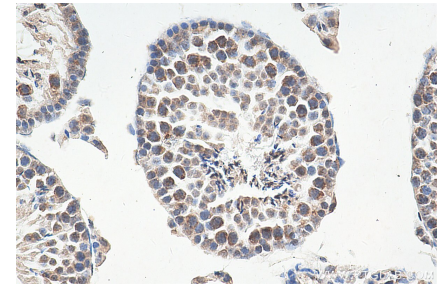
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66845-1-Ig (TDRKH antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 66845-1-Ig (TDRKH antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).