

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> 1000 µg/ml	<b>GeneID (NCBI):</b> 11022	<b>CloneNo.:</b> 2B1B12
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9Y2W6	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IHC 1:250-1:1000 IF/ICC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Full Name:</b> tudor and KH domain containing	
<b>Immunogen Catalog Number:</b> AG4720	<b>Calculated MW:</b> 606 aa, 67 kDa	
	<b>Observed MW:</b> 67-70 kDa	

## Applications

**Tested Applications:**  
IF/ICC, 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/ICC :** 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

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

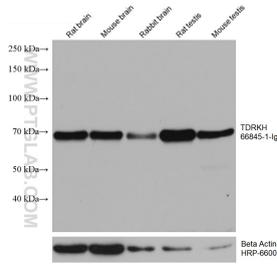
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

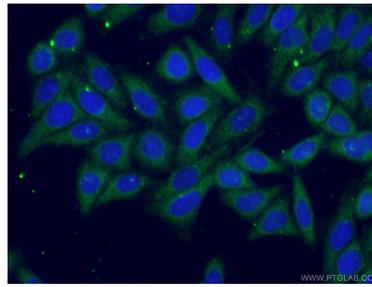
W: [ptgcn.com](http://ptgcn.com)

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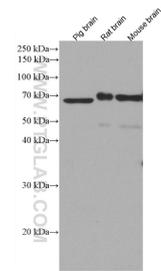
## Selected Validation Data



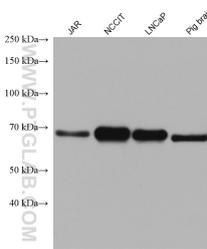
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



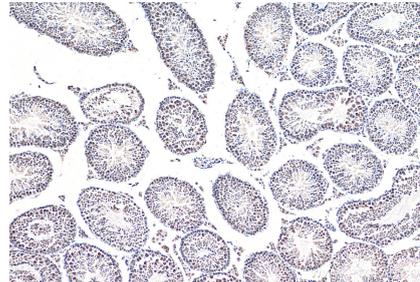
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66845-1-Ig (TDRKH antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



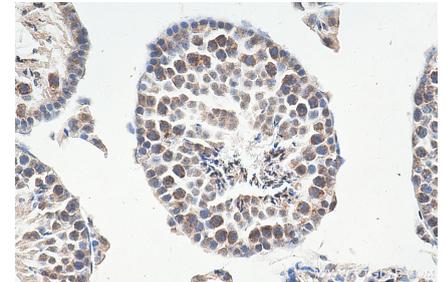
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).