

# TDRKH Monoclonal antibody

Catalog Number: 66845-1-Ig

## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>66845-1-Ig       | <b>GenBank Accession Number:</b><br>BC032690                                | <b>Purification Method:</b><br>Protein G purification                                       |
| <b>Size:</b><br>1000 µg/ml                 | <b>GeneID (NCBI):</b><br>11022  | <b>CloneNo.:</b><br>2B1B12  |
| <b>Source:</b><br>Mouse                    | <b>UNIPROT ID:</b><br>Q9Y2W6  | <b>Recommended Dilutions:</b><br>WB 1:2000-1:10000<br>IHC 1:250-1:1000<br>IF/ICC 1:50-1:500 |
| <b>Isotype:</b><br>IgG1                    | <b>Full Name:</b><br>tudor and KH domain containing                         |   |
| <b>Immunogen Catalog Number:</b><br>AG4720 | <b>Calculated MW:</b><br>606 aa, 67 kDa<br><b>Observed MW:</b><br>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,

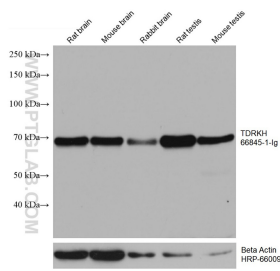
## Background Information

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.

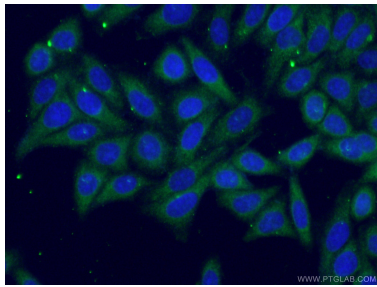
## Storage

**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

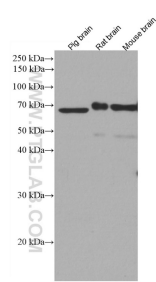
Selected Validation Data



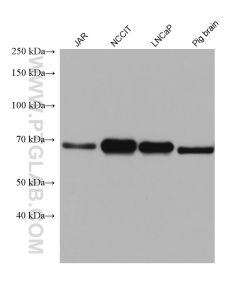
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control.



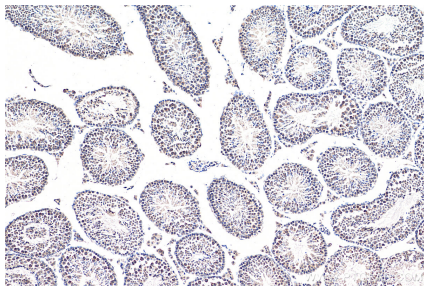
Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 66845-1-Ig (TDRKH antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



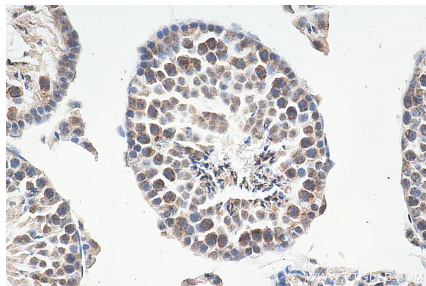
Various lysates were subjected to SDS PAGE followed by western blot with 66845-1-Ig (TDRKH antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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).