

For Research Use Only

# DIS3 Polyclonal antibody

Catalog Number: 29664-1-AP



## Basic Information

<b>Catalog Number:</b> 29664-1-AP	<b>GenBank Accession Number:</b> NM_014953	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 300 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 22894	<b>Recommended Dilutions:</b> WB 1:500-1:3000 IHC 1:50-1:500 IF 1:200-1:800
<b>Source:</b> Rabbit	<b>Full Name:</b> DIS3 mitotic control homolog (S. cerevisiae)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 109KD	
<b>Immunogen Catalog Number:</b> AG31711	<b>Observed MW:</b> 110 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Species Specificity:

Human, Mouse

**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 :** HeLa cells,

**IHC :** mouse testis tissue, human colon cancer tissue, human ovary tumor tissue

**IF :** HeLa cells,

## Background Information

DIS3, also named as KIAA1008 and RRP44, belongs to the ribonuclease II (RNB) family. It is a component of the exosome 3'->5' exoribonuclease complex. DIS3 is required for the 3'-processing of the 7S pre-RNA to the mature nuclear complex. It is also associated with the GTPase Ran. DIS3 has a 3'-5' exonuclease activity.

## 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

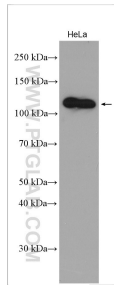
For technical support and original validation data for this product please contact:

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

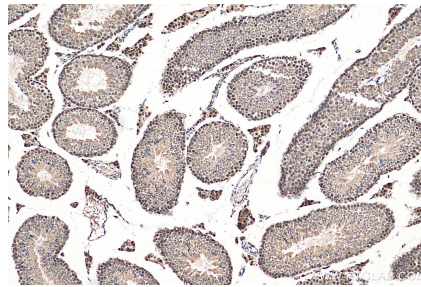
E: proteintech@ptglab.com  
W: ptglab.com

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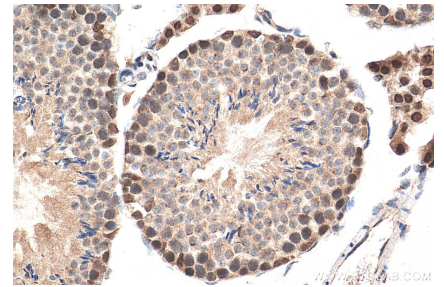
## Selected Validation Data



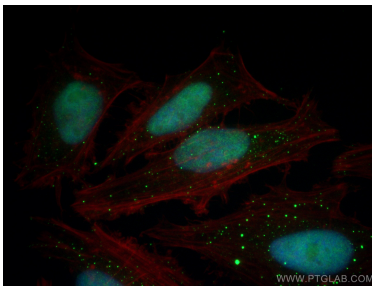
HeLa cells were subjected to SDS PAGE followed by western blot with 29664-1-AP (DIS3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29664-1-AP (DIS3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29664-1-AP (DIS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DIS3 antibody (29664-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidine (red).