

For Research Use Only

# DIS3 Polyclonal antibody

Catalog Number: 29664-1-AP

1 Publications



## Basic Information

Catalog Number:

29664-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31711

GenBank Accession Number:

NM\_014953

GeneID (NCBI):

22894

UNIPROT ID:

Q9Y2L1

Full Name:

DIS3 mitotic control homolog (S. cerevisiae)

Calculated MW:

109KD

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

human

**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** : HEK-293T cells, HeLa cells, HepG2 cells, Jurkat cells, MCF-7 cells

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

**IF/ICC** : 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ryota Uozumi	38444607	iScience	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

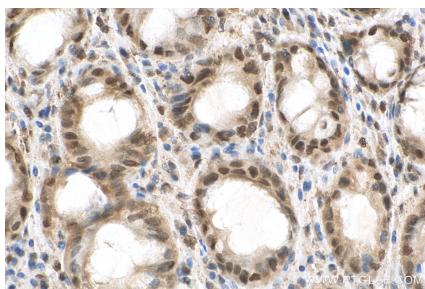
T: 4006900926

E: Proteintech-CN@ptglab.com

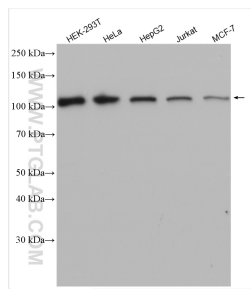
W: ptgcn.com

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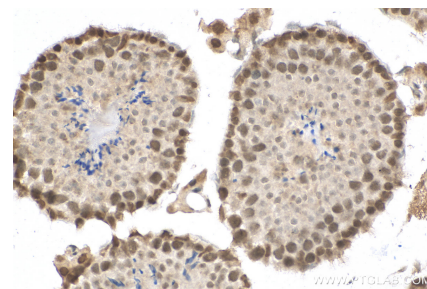
## Selected Validation Data



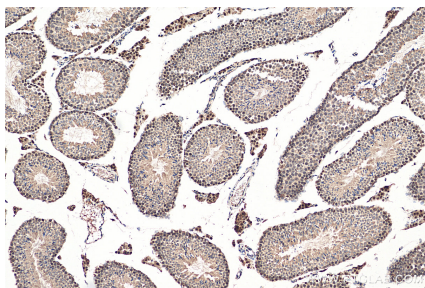
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 29664-1-AP (DIS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



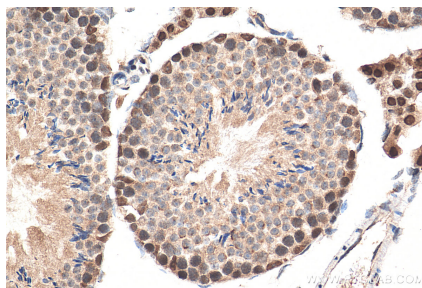
Various lysates were subjected to SDS PAGE followed by western blot with 29664-1-AP (DIS3 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



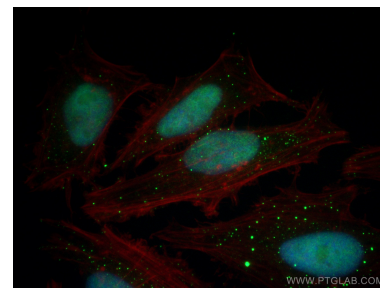
Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29664-1-AP (DIS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 29664-1-AP (DIS3 antibody) at dilution of 1:200 (under 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).