

For Research Use Only

# DIS3 Polyclonal antibody

Catalog Number: 14689-1-AP

Featured Product

10 Publications



## Basic Information

|  |   |   |
|--|---|---|
| <b>Catalog Number:</b><br>14689-1-AP                         | <b>GenBank Accession Number:</b><br>BC056143                      | <b>Purification Method:</b><br>Antigen affinity purification                        |
| <b>Size:</b><br>150ul, Concentration: 600 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>22894                                    | <b>Recommended Dilutions:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500<br>IF 1:50-1:500 |
| <b>Source:</b><br>Rabbit                                     | <b>Full Name:</b><br>DIS3 mitotic control homolog (S. cerevisiae) |   |
| <b>Isotype:</b><br>IgG                                       | <b>Calculated MW:</b><br>109 kDa                                  |   |
| <b>Immunogen Catalog Number:</b><br>AG6117                   | <b>Observed MW:</b><br>110 kDa                                    |   |

## Applications

**Tested Applications:**  
IF, IHC, WB, ELISA

**Cited Applications:**  
IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, mouse, Drosophila

**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, mouse ovary tissue, mouse testis tissue, HeLa cells, Jurkat cells

**IHC:** 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.

## Notable Publications

| Author          | Pubmed ID | Journal           | Application |
|-----------------|-----------|-------------------|-------------|
| Tobias Moll     | 36241425  | Life Sci Alliance | WB          |
| Ilaria Gritti   | 36215697  | EMBO J            | WB          |
| Shi Zhi-Zhou ZZ | 23158542  | BMC Med Genomics  | IHC         |

## 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

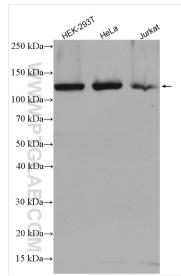
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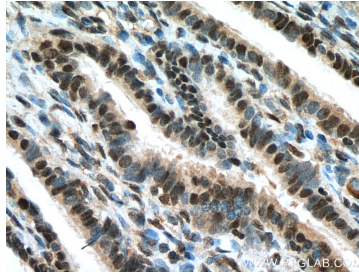
E: proteintech@ptglab.com  
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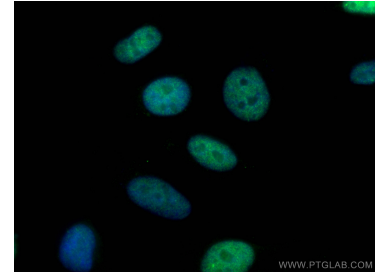
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 14689-1-AP (DIS3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 14689-1-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 (14689-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).