

For Research Use Only

# DOM3Z Polyclonal antibody

Catalog Number: 11015-2-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

11015-2-AP

### Size:

150ul, Concentration: 240 ug/ml by Nanodrop and 173 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1491

### GenBank Accession Number:

BC009344

### GeneID (NCBI):

1797

### UNIPROT ID:

O77932

### Full Name:

dom-3 homolog Z (C. elegans)

### Calculated MW:

43.6 kDa

### Observed MW:

45 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:200-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### 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 : mouse testis tissue, SH-SY5Y cells

IP : mouse testis tissue,

IHC : human breast cancer tissue,

IF/ICC : HeLa cells,

## Background Information

DOM3Z also known as DXO, NG6, is a 396 amino acid ubiquitously expressed protein. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6 and possesses RNA 5'-pyrophosphohydrolase activity. Chromosome 6 contains 170 million base pairs and represents nearly 6% of the human genome. Partial deletion of the q arm of chromosome 6 is associated with early-onset colorectal cancer. DOM3Z is ubiquitously expressed, with high expression in the testis (PMID: 9799600).

## Notable Publications

| Author                | Pubmed ID | Journal       | Application |
|-----------------------|-----------|---------------|-------------|
| Zheng Dinghai D       | 21750099  | RNA           | WB,IF       |
| Ewa Grudzien-Nogalska | 31101919  | Nat Chem Biol | WB          |
| Frédéric Picard-Jean  | 29601584  | PLoS One      | IF          |

## 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)

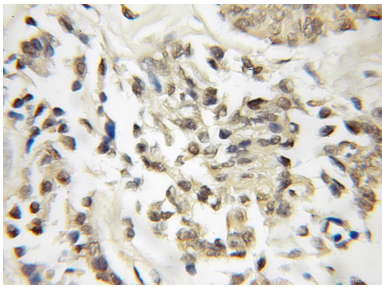
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

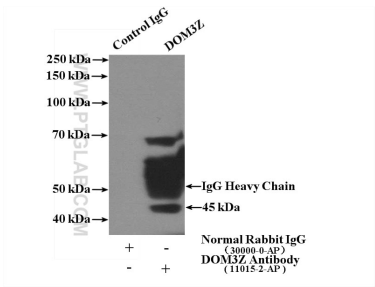
Selected Validation Data



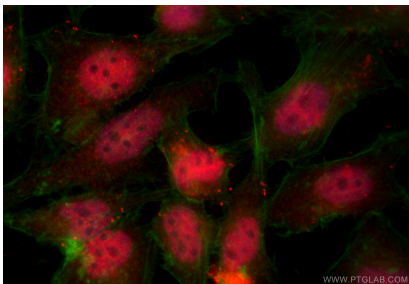
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11015-2-AP (DOM3Z antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11015-2-AP (DOM3Z antibody) at dilution of 1:50 (under 25x lens).



IP result of anti-DOM3Z (IP:11015-2-AP, 4ug; Detection:11015-2-AP 1:300) with mouse testis tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using DOM3Z antibody (11015-2-AP) at dilution of 1:400 and Coralite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-Phalloidin (green).