

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)

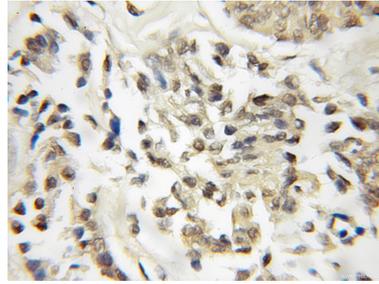
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

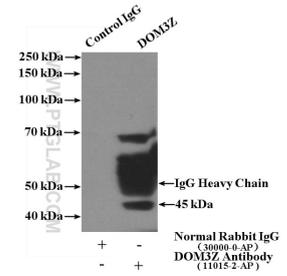
## Selected Validation Data



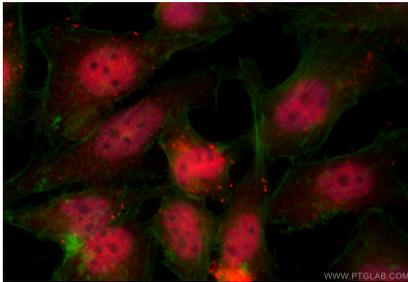
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11015-2-AP (DOM3Z antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).