

For Research Use Only

DOM3Z Polyclonal antibody

Catalog Number: 11015-2-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

11015-2-AP

Concentration:

400 ug/ml

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

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

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E: Proteintech-CN@ptglab.com

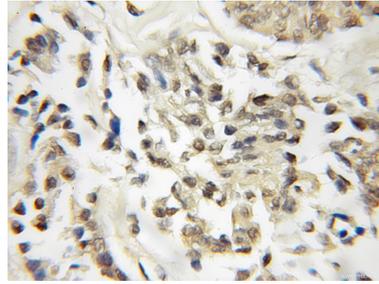
W: ptgcn.com

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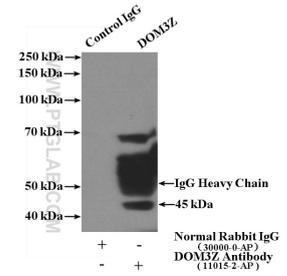
Selected Validation Data



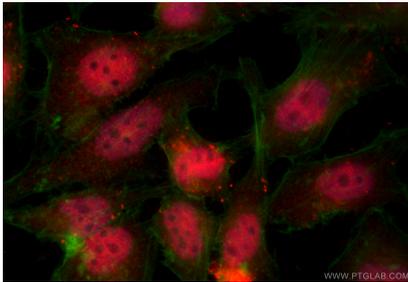
mouse testis tissue were subjected to SDS PAGE followed by western blot with 11015-2-AP (DOM3Z antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



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).