

For Research Use Only

DNase I Polyclonal antibody

Catalog Number: 16659-1-AP



Basic Information

Catalog Number:

16659-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10117

GenBank Accession Number:

BC029437

GeneID (NCBI):

1773

UNIPROT ID:

P24855

Full Name:

deoxyribonuclease I

Calculated MW:

282 aa, 31 kDa

Observed MW:

31-40 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human urine sample,

Background Information

Deoxyribonuclease I (DNase I), also known as DNL1 and DRNI, belongs to the DNase I family. DNase I is a DNA-digestive glycoprotein that cleaves both single- and double stranded DNA through hydrolysis of the phosphodiester bond. In humans, the DNase I enzyme is primarily secreted by the pancreas, parotid, and pituitary glands into the digestive system and bloodstream. Since DNase I is ubiquitously expressed in human tissues, it is thought to play a similar anti-autoimmune role in other organs as well (PMID: 21806320). The calculated molecular weight of DNase I is 31 kDa. Sometimes higher molecular weight around 40 kDa can also be observed, which is caused by glycosylation (PMID: 34329318).

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

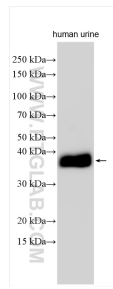
For technical support and original validation data for this product please contact:

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

Selected Validation Data



human urine sample were subjected to SDS PAGE followed by western blot with 16659-1-AP (DNase I antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.