

DNase I Polyclonal antibody

Catalog Number: 16659-1-AP

Basic Information

Catalog Number:

16659-1-AP

Size:

600 µg/ml

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:

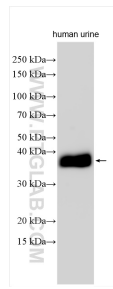
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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.