

For Research Use Only

DNASE1L3 Polyclonal antibody

Catalog Number:11330-1-AP



Basic Information

Catalog Number:

11330-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1873

GenBank Accession Number:

BC015831

GeneID (NCBI):

1776

UNIPROT ID:

Q13609

Full Name:

deoxyribonuclease I-like 3

Calculated MW:

305 aa, 36 kDa

Observed MW:

33-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:600

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, Raji cells

Background Information

Deoxyribonuclease 1-like 3 (DNASE1L3, DNase gamma, DNase Y, LS-DNase) is member of a DNASE1 protein family that is identified by similar biochemical properties such as $\text{Ca}^{2+}/\text{Mg}^{2+}$ dependency and an optimal pH of about 7.0 as well as by a high similarity in their nucleic acid and amino acid sequences [PMID:15796714]. It is an endonuclease and cleaves double-stranded DNA (and single-stranded DNA) producing 3'-OH/5'-P ends, which is $\text{Ca}^{2+}/\text{Mg}^{2+}$ -dependent and inhibited by Zn^{2+} , but not by monomeric actin [PMID:9665719]. In addition, it has been suggested to be involved in apoptotic DNA fragmentation of thymocytes neuronal PC12 cells, C2C12 myoblasts and of cell lines expressing the recombinant nuclease [PMID: 7957253, 9307016]

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

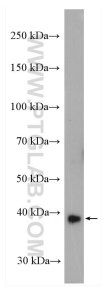
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

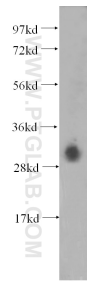
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 11330-1-AP (DNASE1L3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11330-1-AP (DNASE1L3 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.