

For Research Use Only

CoraLite® Plus 488-conjugated DNASE1L3 Monoclonal antibody



Catalog Number:CL488-67041

Basic Information

Catalog Number: CL488-67041	GenBank Accession Number: BC015831	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1776	CloneNo.: 1A4D4
Source: Mouse	Full Name: deoxyribonuclease I-like 3	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 305 aa, 36 kDa	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG28187	Observed MW: 33-38 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: Human, mouse	

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 Ca²⁺/Mg²⁺- 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 Ca²⁺/Mg²⁺-dependent and inhibited by Zn²⁺, 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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

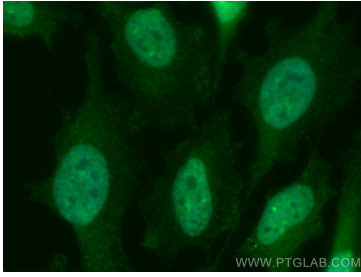
For technical support and original validation data for this product please contact:

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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



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 DNASE1L3 antibody (CL488-67041, Clone: 1A4D4) at dilution of 1:200.