



# Rabbit Anti-Human DNASE1L3 Polyclonal Antibody (CABT-Z754R)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Immunogen	Deoxyribonuclease I-like 3
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purification	Antigen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA Recommended dilution: WB: 1:500-1:2000
Format	Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Preservative	0.02% sodium azide
Storage	Store at -20°C for 12 months(Avoid repeated freeze / thaw cycles).
Ship	Wet ice

## BACKGROUND

## Introduction

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. 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  $\text{Zn}^{2+}$ , but not by monomeric actin. 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.

## Keywords

DNASE1L3;deoxyribonuclease I-like 3;deoxyribonuclease gamma;DNASE1L3;DNase gamma;LSD

# GENE INFORMATION

## Gene Name

DNASE1L3

## Entrez Gene ID

[1776](#)

## UniProt ID

[Q13609](#)