

For Research Use Only

ENDO G Recombinant antibody

Catalog Number: 86122-1-RR



Basic Information

Catalog Number:

86122-1-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17739

GenBank Accession Number:

BC016351

GeneID (NCBI):

2021

UNIPROT ID:

Q14249

Full Name:

endonuclease G

Calculated MW:

297 aa, 33 kDa

Observed MW:

25-30 kDa

Purification Method:

Protein A purification

CloneNo.:

250804D2

Recommended Dilutions:

WB: 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : NIH/3T3 cells, HeLa cells, mouse heart tissue, mouse liver tissue, rat liver tissue

Background Information

Endonuclease G, also named as EndoG, is a mitochondrial protein. It's a nuclease which was first characterized in bovine heart mitochondrial extracts. It's involved in many cellular process, including apoptosis, paternal mitochondrial elimination and autophagy (PMID:33473107). It is a nuclear encoded, sugar-non-specific (PMID:15066427) and well-conserved nuclease (PMID:17244531). It can be released from the mitochondria and translocated to the nucleus where it induces fragmentation of DNA, leading to apoptosis (PMID:11452314). EndoG is a 297-amino-acid long protein with a molecular weight of 30-35 kDa. There is a homodimer form with MW about 60-70 kDa.

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

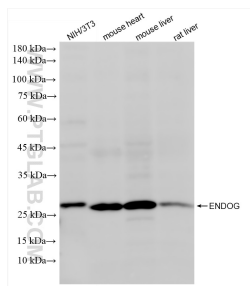
For technical support and original validation data for this product please contact:

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

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86122-1-RR (ENDOG antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.