

For Research Use Only

ENDO G Recombinant antibody, PBS Only

Catalog Number: 86122-1-PBS



Basic Information

Catalog Number:	86122-1-PBS	GenBank Accession Number:	BC016351	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	2021	CloneNo.:	250804D2
Source:	Rabbit	UNIPROT ID:	Q14249		
Isotype:	IgG	Full Name:	endonuclease G		
Immunogen Catalog Number:	AG17739	Calculated MW:	297 aa, 33 kDa		
		Observed MW:	25-30 kDa		

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

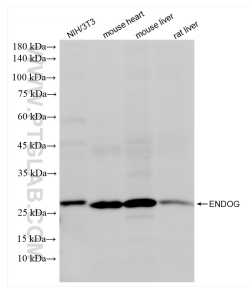
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Selected Validation Data



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. This data was developed using the same antibody clone with 86122-1-PBS in a different storage buffer formulation.