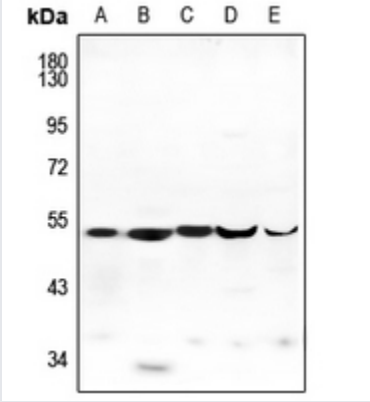
ENDOGL1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ENDOGL1, Polyclonal Antibody
Full Product Name	Anti-ENDOGL1 Antibody
Product Gene Name	anti-ENDOGL1 antibody
Product Synonym Gene Name	EXOG
Product Synonym Names	ENDOGL1; ENDOGL2; ENGL; Nuclease EXOG mitochondrial; Endonuclease G-like 1; Endo G-like 1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Molecular Weight	41,085 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (38537763..38567796). Location: 3p21.3
OMIM	604051
3D Structure	ModBase 3D Structure for Q9Y2C4
Applications Tested/Suitable for anti-ENDOGL1 antibody	Western Blot (WB), Immunoprecipitation (IP)
Related Product Information for anti-ENDOGL1 antibody	Rabbit polyclonal antibody to ENDOGL1 KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ENDOGL1. The exact sequence is proprietary.
Other Notes	Small volumes of anti-ENDOGL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ENDOGL1 purchase	MBS9239357 is an antibody targeting ENDOGL1. Reactive in Human, Mouse. Host: Rabbit.



Wester Blot (WB) of anti-ENDOGL1 antibody
Dilution: WB (1/500 - 1/1000), IP (1/10 - 1/100)Western blot analysis of ENDOGL1 expression in Jurkat (A), LO2 (B), HEK293T (C), A549 (D), BV2 (E) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ENDOGL1. It may not necessarily be applicable to this product.

NCBI GI #	224451075
NCBI GeneID	9941
NCBI Accession #	NP_001138936.1
UniProt Primary Accession #	Q9Y2C4
UniProt Secondary Accession #	Q3SXM9; Q9Y2C8; A8K242; B4DVG2
UniProt Related Accession #	Q9Y2C4
GenBank Nucleotide #	NM_001145464.1
NCBI Official Full Name	nuclease EXOG, mitochondrial isoform 2
NCBI Official Synonym Full Names	endo/exonuclease (5'-3'), endonuclease G-like
NCBI Official Symbol	EXOG
NCBI Official Synonym Symbols	ENGL; ENGLA; ENGLB; ENGL-a; ENGL-b; ENDOGL1; ENDOGL2
UniProt Protein Name	Nuclease EXOG, mitochondrial
UniProt Synonym Protein Names	Endonuclease G-like 1
UniProt Gene Name	EXOG
UniProt Synonym Gene Names	ENDOGL1; ENDOGL2; ENGL; Endo G-like 1
UniProt Entry Name	EXOG_HUMAN
NCBI Protein Information	nuclease EXOG, mitochondrial; endo G-like 1; endonuclease G-like 1; endonuclease G-like 2
NCBI Summary for ENDOGL1	This gene encodes an endo/exonuclease with 5'-3' exonuclease activity. The encoded enzyme catalyzes the hydrolysis of ester linkages at the 5' end of a nucleic acid chain. This enzyme is localized to the mitochondria and may play a role in programmed cell death. Alternatively spliced transcript variants have been described. A pseudogene exists on chromosome 18. [provided by RefSeq, Feb 2009]
UniProt Comments for ENDOGL1	ENDOGL1: Endo/exonuclease with nicking activity towards supercoiled DNA, a preference for single stranded DNA and 5'-3' exonuclease activity. Belongs to the DNA/RNA non-specific endonuclease family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: Mitochondrial; Deoxyribonuclease; EC 3.1.30.-; Ribonuclease Chromosomal Location of Human Ortholog: 3p21.3 Cellular Component: mitochondrion; mitochondrial inner membrane Molecular Function: nucleic acid binding; endonuclease activity; metal ion binding Biological Process: DNA catabolic process, endonucleolytic
Research Articles on ENDOGL1	**1.** EXOG depletion induces persistent SSBs in the mtDNA, enhances ROS levels, and causes apoptosis in normal cells but not in mt genome-deficient rho0 cells.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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