

Rabbit ENDOG Polyclonal Antibody | anti-ENDOG antibody

ENDOG Antibody (C-term)

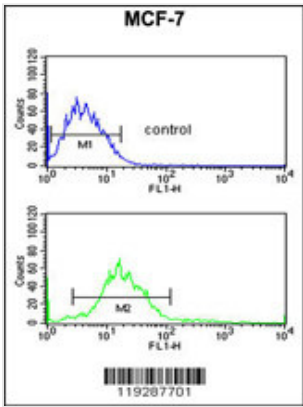
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287868	Rabbit	Human, mouse (Predicted Reactivity: Bovine)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

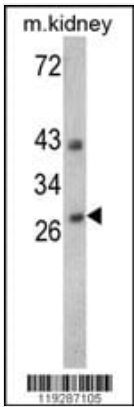
ENDOG; Polyclonal Antibody; ENDOG Antibody (C-term); Endonuclease G; mitochondrial; Endo G; 3130-; anti-ENDOG antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ENDOG antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 188-217 amino acids from the C-terminal region of human ENDOG.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	188-217
Sequence Length	297
Applicable Applications for anti-ENDOG antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
ENDOG Antibody (C-term) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of ENDOG Antibody (C-term) in 293, K562, Jurkat, NCI-H460 cell line lysates and mouse kidney tissues lysates (35ug/lane). ENDOG (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-ENDOG antibody	ENDOG is a nuclear encoded endonuclease that is localized in the mitochondrion. The protein is widely distributed among animals and cleaves DNA at GC tracts. This protein is capable of generating the RNA primers required by DNA polymerase gamma to initiate replication of mitochondrial DNA.
Product Categories/Family for anti-ENDOG antibody	Cancer; Cell Biology; Metabolism
References	Noda,T., Apoptosis 14 (3), 287-297 (2009) Wu,S.L., J. Biomed. Sci. 16, 6 (2009) Ahn,C.H., APMIS 116 (6), 534-537 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759134
NCBI GeneID	2021
NCBI Accession #	NP_004426.2
NCBI GenBank Nucleotide #	NM_004435.2
UniProt Accession #	Q14249; Q5T281; Q9BSP2
Molecular Weight	32620
NCBI Official Full Name	endonuclease G, mitochondrial
NCBI Official Synonym Full Names	endonuclease G
NCBI Official Symbol	ENDOG
NCBI Protein Information	endonuclease G, mitochondrial
UniProt Protein Name	Endonuclease G, mitochondrial
UniProt Gene Name	ENDOG
UniProt Synonym Gene Names	Endo G
UniProt Entry Name	NUCG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

