

Rabbit EndoG Polyclonal Antibody | anti-ENDOG antibody

EndoG Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39649	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

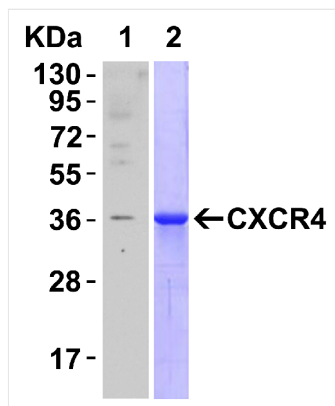
PRODUCT SYNONYMS

EndoG; Polyclonal Antibody; EndoG Antibody; Endonuclease G; mitochondrial; Endo G; endonuclease G; anti-ENDOG antibody

PRODUCT SPECIFICATIONS

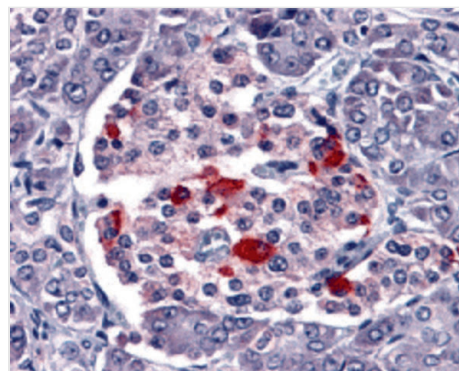
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	EndoG Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	297
Applicable Applications for anti-ENDOG antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	EndoG antibody was raised with a synthetic peptide corresponding to 15 amino acids near the amino terminus of human EndoG.
Buffer	EndoG Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



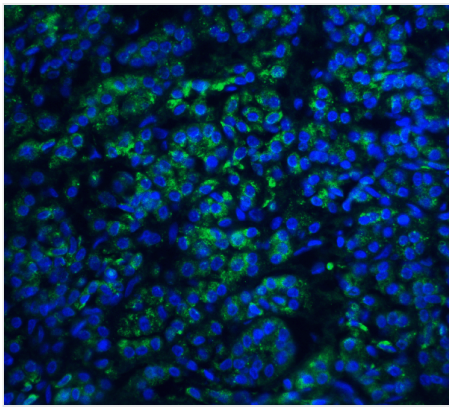
IHC (Immunohistochemistry)

Immunohistochemistry of EndoG in human pancreas tissue with EndoG antibody at 2.5 &#956;g/mL.



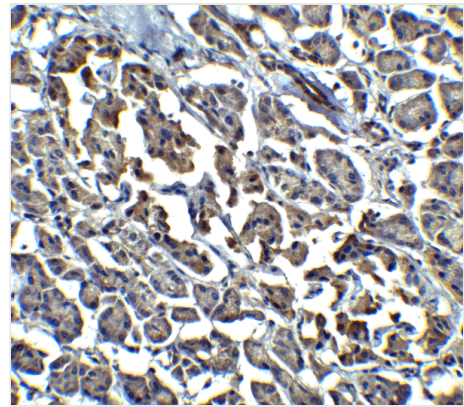
IHC (Immunohistochemistry)

Immunohistochemistry of EndoG in human pancreas with EndoG antibody at 15 &#956;g/mL.



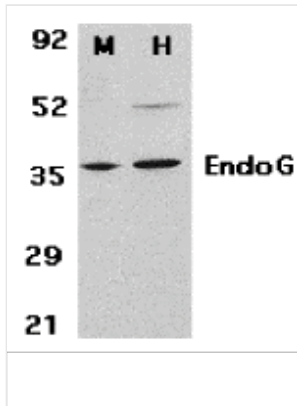
IF (Immunofluorescence)

Immunofluorescence of EndoG in human pancreas tissue with EndoG antibody at 20 μg/mL. Green: EndoG Antibody (3035) Blue: DAPI staining



IHC (Immunohistochemistry)

Immunohistochemistry of EndoG in human pancreas tissue with EndoG antibody at 2.5 μg/ml.



WB (Western Blot)

Western blot analysis of EndoG in mouse (M) 3T3 and human (H) HepG2 cell lysates with EndoG antibody at 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ENDOG antibody

EndoG Antibody: The fragmentation of nuclear DNA is a hallmark of apoptotic cell death. The activities of caspase and nuclease are involved in the DNA fragmentation. Caspase-activated deoxyribonuclease (CAD), also termed DNA fragmentation factor (DFF40), is one such nuclease, and is capable of inducing DNA fragmentation and chromatin condensation after cleavage by caspase-3 of its inhibitor ICAD/DFF45. Caspase and CAD independent DNA fragmentation also exists. Recent studies demonstrated that another nuclease, endonuclease G (endoG), is specifically activated by apoptotic stimuli and is able to induce nucleosomal fragmentation of DNA independently of caspase and DFF/CAD. EndoG is a mitochondrion-specific nuclease that translocates to the nucleus and cleaves chromatin DNA during apoptosis. The homologue of mammalian EndoG is the first mitochondrial protein identified to be involved in apoptosis in *C. elegans*. EndoG also cleaves DNA in vitro.

NCBI AND UNIPROT INFORMATION

NCBI GI #	53759134
NCBI GeneID	2021
NCBI Accession #	NP_004426
NCBI GenBank Nucleotide #	NM_004435.2
UniProt Accession #	Q14249 ; Q5T281 ; Q9BSP2
Molecular Weight	35 kDa
NCBI Official Full Name	endonuclease G, mitochondrial
NCBI Official Synonym Full Names	endonuclease G

NCBI Official Symbol	ENDOG
NCBI Protein Information	endonuclease G, mitochondrial; endo G; mitochondrial endonuclease G
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/endog-antibody-immunohistochemistry-western-blot-elisa/39649>