

Rabbit ENDONUCLEASE G Polyclonal Antibody | anti-ENDOG antibody

RABBIT ANTI ENDONUCLEASE G

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA49962	Rabbit	Mouse (Expected from Sequence), Rat (Expected from Sequence)	Western Blot, Immunohistochemistry

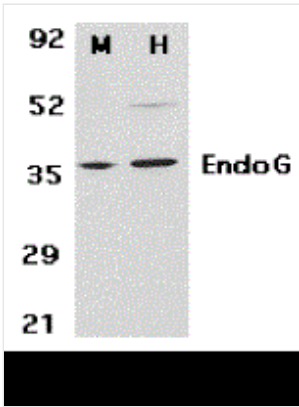
PRODUCT SYNONYMS

ENDONUCLEASE G; Polyclonal Antibody; RABBIT ANTI ENDONUCLEASE G; anti-ENDOG antibody

PRODUCT SPECIFICATIONS

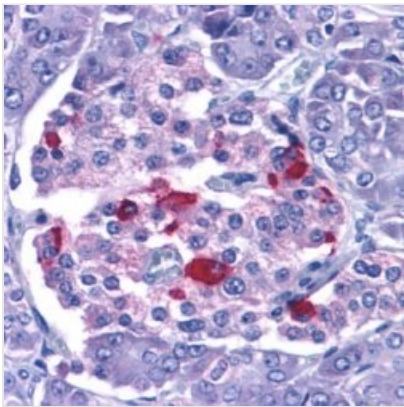
Host	Rabbit
Reactivity	Mouse (Expected from Sequence), Rat (Expected from Sequence)
Clonality	Polyclonal
Isotype	IgG
Specificity	This item recognises endonuclease G (endoG), a mitochondrion-specific nuclease that translocates to the nucleus and cleaves chromatin DNA during apoptosis. endoG is reported to act independently of caspases and may represent a caspase independent apoptotic pathway initiated from the mitochondria.
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 0.5 mg/ml (varies by lot)
Sequence Length	297
Applicable Applications for anti-ENDOG antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Synthetic peptide GGPRGPGELAKYGLP corresponding to amino acids 55 - 70 of endonuclease G. Histology Positive Control Tissue
Antiserum Preparation	Antisera to endonuclease G were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Western blot analysis of whole cell lysates from mouse 3T3 (M) and Human HepG2 (H) cells probed with Rabbit anti endonuclease G (AAA49962)



Application Data

Staining of formalin fixed, paraffin processed human pancreas with Rabbit anti Human EndoG at 15 ug/ml. (AAA49962)

ADDITIONAL INFORMATION

Related Product Information for anti-ENDOG antibody	MBS221699 recognises endonuclease G (endoG), a mitochondrion-specific nuclease that translocates to the nucleus and cleaves chromatin DNA during apoptosis. endoG is reported to act independently of caspases and may represent a caspase independent apoptotic pathway initiated from the mitochondria.
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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	32,620 Da
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/endonuclease-g-antibody-western-blot-immunohistochemistry-elisa/49962>