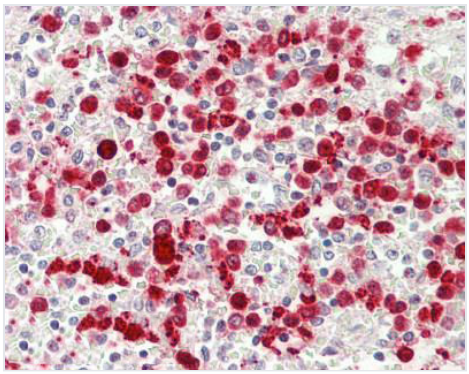
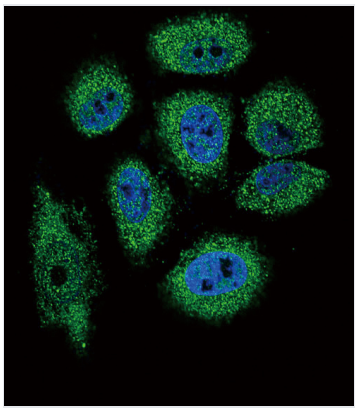
RNASE3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

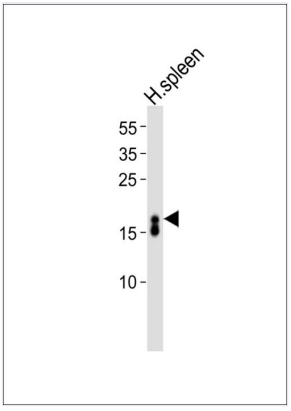
Product Name	RNASE3, Polyclonal Antibody
Full Product Name	Anti-RNASE3 Antibody (aa123-151) IHC-plus
Product Gene Name	anti-RNASE3 antibody
Product Synonym Names	Rabbit Polyclonal to Human RNASE3; Human RNASE3; ECP; Ribonuclease 3; RNase 3; Cytotoxic ribonuclease; Eosinophil cationic protein; RNS3
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	PBS, 0.09% sodium azide
Purity/Purification	Immunoaffinity purified
Specificity	Human RNASE3
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Molecular Weight	18,385 Da
OMIM	131398
3D Structure	ModBase 3D Structure for P12724
Immunogen	RNASE3 antibody was raised against kLH-conjugated synthetic peptide from C-terminal region of human RNASE3.
Immunogen Description	KLH-conjugated synthetic peptide from C-terminal region of human RNASE3.
Immunogen Type	Synthetic peptide
Antigen Modification	aa123-151
Target Species	Human
Applications Tested/Suitable for anti-RNASE3 antibody	Immunohistochemistry (IHC) Paraffin, Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-RNASE3 antibody	IF (1:10 - 1:50) IHC-P (1:100) WB (1:1000)
Related Product Information for anti-RNASE3 antibody	RNASE3 Antibody, ECP Antibody, Ribonuclease 3 Antibody, RNase 3 Antibody, Cytotoxic ribonuclease Antibody, Eosinophil cationic protein Antibody, RNS3 Antibody Description: Cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. Possesses a wide variety of biological activities. Exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains. Promotes E.coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content.
Other Notes	Small volumes of anti-RNASE3 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 RNASE3 purchase	MBS2400290 is an antibody targeting RNASE3. Also known as Anti-RNASE3 Antibody (aa123-151) IHC-plus. Reactive in Human. Host: Rabbit.



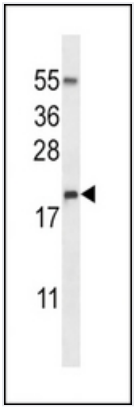
Immunohistochemistry - Paraffin (IHC) of anti-RNASE3 antibody
Human Spleen: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence (IF) of anti-RNASE3 antibody
Confocal immunofluorescence of RNASE3 Antibody with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Western Blot (WB) of anti-RNASE3 antibody
Western blot of lysate from human spleen tissue lysate, using RNASE3 Antibody. Antibody was diluted at 1:1000. A goat anti-rabbit IgG H&L (HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.



Western Blot (WB) of anti-RNASE3 antibody
RNASE3 Antibody western blot of NCI-H460 cell line lysates (35 ug/lane). The RNASE3 antibody detected the RNASE3 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RNASE3. It may not necessarily be applicable to this product.

NCBI GI #	45243507
NCBI GeneID	6037
NCBI Accession #	NP_002926.2
UniProt Primary Accession #	P12724
UniProt Secondary Accession #	Q4VBC1; Q8WTP7; Q8WZ62; Q9GZN9
UniProt Related Accession #	P12724
GenBank Nucleotide #	NM_002935.2
NCBI Official Full Name	eosinophil cationic protein
NCBI Official Synonym Full Names	ribonuclease A family member 3
NCBI Official Symbol	RNASE3
NCBI Official Synonym Symbols	ECP; RNS3
UniProt Protein Name	Eosinophil cationic protein
UniProt Synonym Protein Names	Ribonuclease 3; RNase 3

Protein Family	Eosinophil cationic protein
UniProt Gene Name	RNASE3
UniProt Synonym Gene Names	ECP; RNS3; ECP; RNase 3
UniProt Entry Name	ECP_HUMAN
NCBI Protein Information	eosinophil cationic protein
NCBI Summary for RNASE3	The protein encoded by this gene belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. The protein exhibits antimicrobial activity against pathogenic bacteria [provided by RefSeq, Oct 2014]
UniProt Comments for RNASE3	RNASE3: Cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. Possesses a wide variety of biological activities. Exhibits antibacterial activity, including cytoplasmic membrane depolarization of preferentially Gram-negative, but also Gram-positive strains. Promotes E.coli outer membrane detachment, alteration of the overall cell shape and partial loss of cell content. Belongs to the pancreatic ribonuclease family. Protein type: EC 3.1.27.-; Secreted, signal peptide; Ribonuclease; Secreted Chromosomal Location of Human Ortholog: 14q11.2 Cellular Component: extracellular region; extracellular space Molecular Function: endonuclease activity; nucleic acid binding; ribonuclease activity Biological Process: antibacterial humoral response; defense response to Gram-positive bacterium; innate immune response in mucosa; RNA catabolic process
Research Articles on RNASE3	**1.** drug eluting stent polymers increase eosinophil cationic protein levels following percutaneous coronary intervention independently of C-reactive protein
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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