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# RNASE3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13557b

## Product Information

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| **Application** | WB, IF, E |
| **Primary Accession** | P12724 |
| **Other Accession** | NP_002926.2 |
| **Reactivity** | Human |
| **Predicted** | Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB30251 |
| **Calculated MW** | 18385 |
| **Antigen Region** | 124-151 |

## Additional Information

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| **Gene ID** | 6037 |
| **Other Names** | Eosinophil cationic protein, ECP, 3127-, Ribonuclease 3, RNase 3, RNASE3, ECP, RNS3 |
| **Target/Specificity** | This RNASE3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 124-151 amino acids of human RNASE3. |
| **Dilution** | WB~~1:1000 IF~~1:10~50 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | RNASE3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | RNASE3 |
| **Synonyms** | ECP, RNS3 |

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| **Function** | 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. |
| **Cellular Location** | Secreted. Note=Located in the matrix of eosinophil large specific granule, which are released following activation by an immune stimulus |

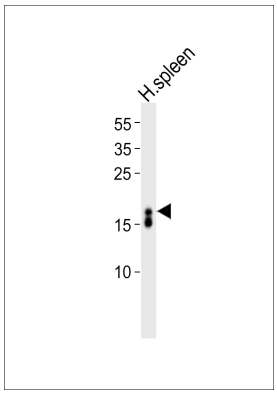
## Background

Cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. Possesses a wide variety of biological activities. Exhibits antibacterial activity.

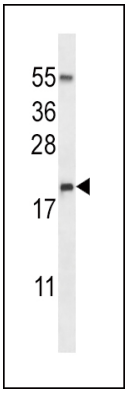
## References


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Kang, I., et al. Eur Arch Otorhinolaryngol 267(3):391-395(2010)
Jonsson, U.B., et al. BMC Pulm Med 10, 36 (2010) :
Kato, M., et al. Int. Arch. Allergy Immunol. 152 SUPPL 1, 62-66 (2010) :
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## Images

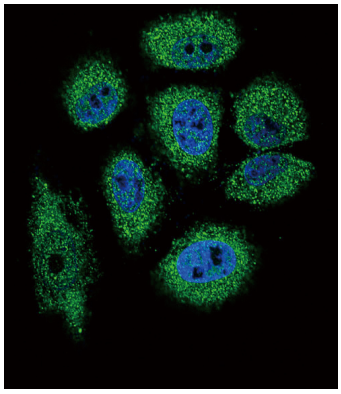



Western blot analysis of lysate from human spleen tissue lysate, using RNASE3 Antibody (C-term)(Cat. #AP13557b). AP13557b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 35ug.




RNASE3 Antibody (C-term) (Cat. #AP13557b) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the RNASE3 antibody detected the RNASE3 protein (arrow).

Confocal immunofluorescent analysis of RNASE3 Antibody (C-term) (Cat#AP13557b) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.