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Anti-RNASE3 Antibody

Catalog # AP51477

Product Information

Application	WB, IF/IC
Primary Accession	P12724
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18385

Additional Information

Gene ID	6037
Other Names	ECP; RNS3; Eosinophil cationic protein; ECP; Ribonuclease 3; RNase 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human RNASE3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

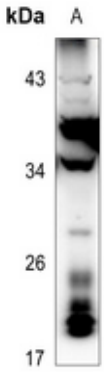
Protein Information

Name	RNASE3
Synonyms	ECP, RNS3
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

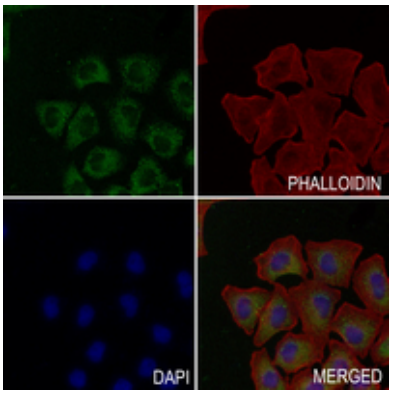
References

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Barker R.L.,et al.J. Immunol. 143:952-955(1989).
Simonsen C.C.,et al.Submitted (OCT-1990) to the EMBL/GenBank/DDBJ databases.
Zhang J.,et al.Genetics 156:1949-1958(2000).

Images



Western blot analysis of RNASE3 expression in THP1 (A) whole cell lysates. (Predicted band size: 18 kD; Observed band size: 18 kD)



Immunofluorescent analysis of RNASE3 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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