



Rabbit Anti-Ribonuclease 3/ECP antibody

SL8615R

Product Name:	Ribonuclease 3/ECP
Chinese Name:	嗜酸性粒细胞阳离子蛋白抗体
Alias:	eosinophil cationic protein; EAR; Ear11; Ear4; EAR5; ECP; LOC192264; MGC143624; mR3; mR5; R1; R14; R15; R17; R5; R7; Ribonuclease 3; Rnase17; Rnase2; RNASE3; RNS3; ECP HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Ribonuclease 3:45-160/160
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	ECP is a 160 amino acid potent cytotoxic secretory protein that belongs to the pancreatic ribonuclease family. ECP localizes to the granule matrix of the eosinophil and is involved in the immune response system. ECP is a cytotoxin, neurotoxin and helminthotoxin that is secreted by activated human eosinophils. ECP exhibits anti-parasitic, antibacterial and ribonucleolytic activities. It has been suggested that ECP induces the neurotoxic effect known as the Gordon phenomenon, a syndrome

manifested by ataxia, muscular rigidity, paralysis, and tremor that may lead to death. ECP is considered a marker of eosinophilic inflammation and high levels have been found in cases of active asthma and other allergic diseases

Function:

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

Subcellular Location:

Cytoplasmic granule. Matrix of eosinophil's large specific granule.

Similarity:

Belongs to the pancreatic ribonuclease family.

SWISS:

P12724

Gene ID:

6037

Database links:

[Entrez Gene: 6037](#)Human

[Entrez Gene: 53876](#)Mouse

[Entrez Gene: 100361866](#)Rat

[Entrez Gene: 192264](#)Rat

[Omin: 131398](#)Human

[SwissProt: P12724](#)Human

[SwissProt: O35290](#)Mouse

[SwissProt: P70709](#)Rat

[Unigene: 73839](#)Human

[Unigene: 327386](#)Mouse

[Unigene: 10626](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.