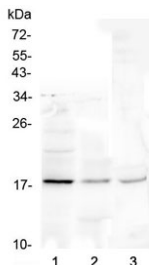


## Ribonuclease 3 Antibody / RNASE3 / Eosinophil cationic protein (RQ4467)

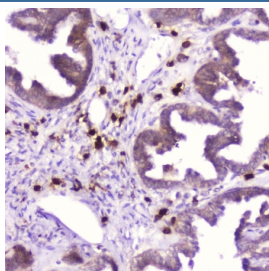
Catalog No.	Formulation	Size
RQ4467	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

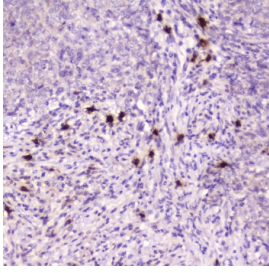
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P12724
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
<b>Limitations</b>	This Ribonuclease 3 antibody is available for research use only.



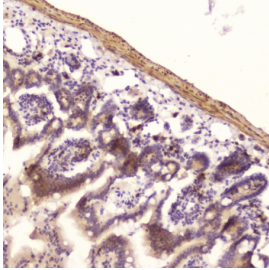
Western blot testing of 1) human Jurkat, 2) rat liver and 3) mouse liver lysate with Ribonuclease 3 antibody at 0.5ug/ml. Predicted molecular weight ~18 kDa.



IHC testing of FFPE human ovarian cancer with Ribonuclease 3 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human sarcoma with Ribonuclease 3 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE mouse small intestine with Ribonuclease 3 antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

## Description

Eosinophil Cationic Protein (ECP) also known as Ribonuclease 3 is a basic protein located in the eosinophil primary matrix. In humans, the eosinophil cationic protein is encoded by the RNASE3 gene. The protein encoded by this gene belongs to the pancreatic ribonuclease family, a subset of the ribonuclease A superfamily. ECP is released during degranulation of eosinophils. This protein is related to inflammation and asthma because in these cases, there are increased levels of ECP in the body.

## Application Notes

Optimal dilution of the Ribonuclease 3 antibody should be determined by the researcher.

## Immunogen

Human recombinant protein (amino acids R28-I160) was used as the immunogen for the Ribonuclease 3 antibody.

## Storage

After reconstitution, the Ribonuclease 3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.