

Anti-Ribonuclease 3/ECP Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 16 kDa. Actual: 18 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	<ol style="list-style-type: none">1. Confocal immunofluorescent analysis of RNASE3 Antibody (C-term) (Cat#TMAB-12250) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).2. RNASE3 Antibody (C-term) (Cat. #TMAB-12250) western blot analysis in NCI-H460 cell line lysates (35 µg/lane). This demonstrates the RNASE3 antibody detected the RNASE3 protein (arrow).3. Western blot analysis of lysate from human spleen tissue lysate, using RNASE3 Antibody (C-term) (Cat. #TMAB-12250). 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 35 ug.
Application:	WB,ICC/IF
Recommended	WB: 1:500-2000; ICC/IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Ribonuclease 3
Antigen Species:	Human
Gene ID:	6037
Uniprot ID:	P12724

Research Background

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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