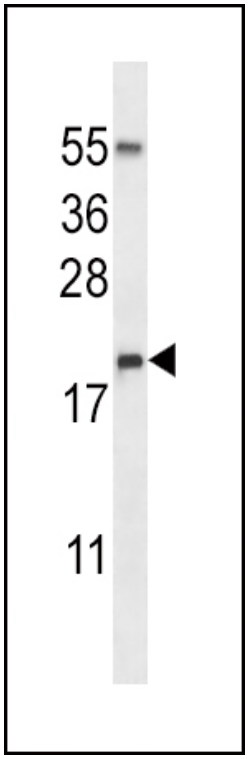
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

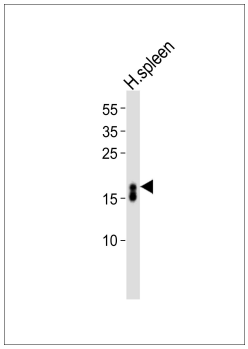
Ribonuclease 3/ECP Rabbit pAb

Catalog Number:	bs-8615R
Target Protein:	Ribonuclease 3/ECP
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), ICC/IF (1:100-500)
Reactivity:	Human
Predicted MW:	16 kDa
Entrez Gene:	6037
Swiss Prot:	P12724
Source:	KLH conjugated synthetic peptide derived from human Ribonuclease 3: 45-160/160.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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

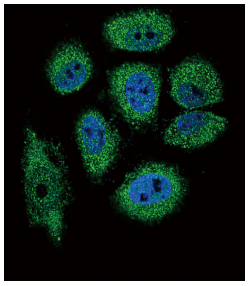
VALIDATION IMAGES



RNASE3 Antibody (C-term) (Cat. #bs-8615R) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the RNASE3 antibody detected the RNASE3 protein (arrow).



Western blot analysis of lysate from human spleen tissue lysate, using RNASE3 Antibody (C-term)(Cat. #bs-8615R). 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.



Confocal immunofluorescent analysis of RNASE3 Antibody (C-term) (Cat#bs-8615R) with NCI-H460 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

PRODUCT SPECIFIC PUBLICATIONS

[IF=12.05] Fujisawa, Daisuke, et al. "Expression of Mas-related gene X2 on mast cells is upregulated in the skin of patients with severe chronic urticaria." Journal of Allergy and Clinical Immunology (2014). IHC ; ="Human" . 24954276

[IF=5.3] Seo-Hee Kim. et al. The effect of apigenin, an aryl hydrocarbon receptor antagonist, in Phthalate-Exacerbated eosinophilic asthma model. JOURNAL OF CELLULAR AND MOLECULAR MEDICINE. 2023 Jun;27(13):1900-1910 WB ; Mouse . 37315181

[IF=4.082] Yoshimasa Imoto. et al. Enhanced 15-Lipoxygenase 1 Production is Related to Periostin Expression and Eosinophil Recruitment in Eosinophilic Chronic Rhinosinusitis. Biomolecules. 2020 Nov;10(11):1568 IF ; Human . 33218117

[IF=2.36] Inada, Noriko, et al. "Histamine H 1 and H 4 receptor expression on the ocular surface of patients with chronic allergic conjunctival diseases." Allergology International (2017). ICC ; ="Human" . 28391980

[IF=2.36] Tokunaga, Takahiro, et al. "The significant expression of TRPV3 in nasal polyps of eosinophilic chronic rhinosinusitis."

Allergology International (2017). IHC ; ="Human" . 28462829