

Datasheet for ABIN3030798

anti-ELANE antibody (AA 13-39)[Go to Product page](#)**2** Images

Overview

Quantity:	0.4 mL
Target:	ELANE
Binding Specificity:	AA 13-39
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ELANE antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	A portion of amino acids 13-39 from the human protein was used as the immunogen for this Neutrophil elastase antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	ELANE
Alternative Name:	Neutrophil Elastase (ELANE Products)
Background:	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins. The product of this gene hydrolyzes proteins within specialized neutrophil lysosomes, called

Target Details

azurophil granules, as well as proteins of the extracellular matrix following the protein's release from activated neutrophils. The enzyme may play a role in degenerative and inflammatory diseases by its proteolysis of collagen-IV and elastin of the extracellular matrix. This protein degrades the outer membrane protein A (OmpA) of E. coli as well as the virulence factors of such bacteria as Shigella, Salmonella and Yersinia. Mutations in this gene are associated with cyclic neutropenia and severe congenital neutropenia (SCN). This gene is clustered with other serine protease gene family members, azurocidin 1 and proteinase 3 genes, at chromosome 19pter. All 3 genes are expressed coordinately and their protein products are packaged together into azurophil granules during neutrophil differentiation.

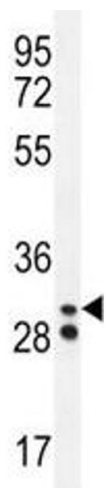
UniProt: [P08246](#)

Application Details

Application Notes:	Titration of the Neutrophil elastase antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the Neutrophil elastase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. Neutrophil elastase antibody western blot analysis in A2058 lysate. Predicted molecular weight: 29-35 kDa.



Western Blotting

Image 2. Neutrophil elastase antibody western blot analysis in A2058 lysate. Predicted molecular weight: 29-35 kDa.