



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## ELA2 polyclonal antibody (A01)

Catalog # : H00001991-A01

規格 : [ 50 uL ]

[List All](#)

### Specification

**Product Description:** Mouse polyclonal antibody raised against a partial recombinant ELA2.

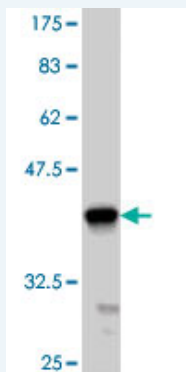
**Immunogen:** ELA2 (NP\_001963, 168 a.a. ~ 267 a.a) partial recombinant protein with GST tag.

**Sequence:** VLQELNVTWVTSLCRRSNVCTLVRGRQAGVCFGDSGSPLVCNGLIHGIA  
SFVRGGCASGLYPDAFAPVAQFVNWIDSIIQRSEDNPCPHRPDPASR  
TH

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (37.11 kDa) .

**Storage Buffer:** 50 % glycerol

**Storage Instruction:** Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

[Protocol Download](#)

**ELISA**

### Gene Information

**Entrez GeneID:** [1991](#)

**GeneBank Accession#:** [NM\\_001972](#)

**Protein** [NP\\_001963](#)

**Accession#:**

**Gene Name:** ELA2

**Gene Alias:** GE,HLE,HNE,NE,PMN-E

**Gene Description:** elastase 2, neutrophil

**Omim ID:** [130130](#), [162800](#), [202700](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** 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 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. [provided by RefSeq]

**Other Designations:** bone marrow serine protease,granulocyte-derived elastase,leukocyte elastase,medullasin,polymorphonuclear elastase

#### Gene Pathway

[Systemic lupus erythematosus](#)

#### Related Disease

[Chronic Disease](#) [Coronary Disease](#) [Genetic Predisposition to Disease](#) [Liver Cirrhosis](#)  
[Lung Neoplasms](#) [Myocardial Infarction](#) [Neutropenia](#)  
[Pulmonary Disease, Chronic Obstructive](#)

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