

For Research Use Only

# ELA2 Polyclonal antibody

Catalog Number: 17943-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 17943-1-AP	<b>GenBank Accession Number:</b> BC074816	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 130 µg/ml	<b>GeneID (NCBI):</b> 1991	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P08246	
<b>Isotype:</b> IgG	<b>Full Name:</b> elastase 2, neutrophil	
<b>Immunogen Catalog Number:</b> AG12372	<b>Calculated MW:</b> 267 aa, 29 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
bovine

## Background Information

ELA2 (Neutrophil elastase) is also named as ELAL, NE, HLE, HNE, PMN-E, SERP1, GE, ELANE and belongs to the peptidase S1 family. It is a 33-kDa enzyme with several isoforms that differ in their extent of glycosylation (PMID:12223222). Human neutrophil elastase (HNE) is a serine protease with potent proteolytic activity (3), which is reported to cause mucin secretion (degranulation) (PMID:12169572). It may contribute to the directed migration of leukocytes into flamed postcapillary venules in addition to contributing to the process of tissue emigration (PMID:9683424). The full length protein has a signal peptide, propeptide and three glycosylation sites.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xiechen Zhou	33180264	Biol Trace Elem Res	IF
Nan Wang	31285854	Cell Death Discov	

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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## Selected Validation Data