

ELA2 Polyclonal antibody

Catalog Number: 17943-1-AP

2 Publications

Basic Information

Catalog Number:

17943-1-AP

Size:

130 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG12372

GenBank Accession Number:

BC074816

GeneID (NCBI):

1991

UNIPROT ID:

P08246

Full Name:

elastase 2, neutrophil

Calculated MW:

267 aa, 29 kDa

Purification Method:

Antigen affinity purification

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

