

Neutrophil Elastase Antibody
Rabbit mAb
Catalog # AP91077**Specification****Neutrophil Elastase Antibody - Product Information**

Application	WB, IHC, FC, ICC
Primary Accession	P08246
Clonality	Monoclonal
Other Names	
ELA2; ELANE; Elastase 2; Medullasin; Neutrophil elastase; PMN E; SCN1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	28518 Da

Neutrophil Elastase Antibody - Additional Information

Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Neutrophil Elastase
Description	Modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Neutrophil Elastase Antibody - Protein Information**Name** ELANE**Synonyms** ELA2**Function**

Serine protease that modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis (PubMed:15140022). Promotes cleavage of GSDMB, thereby inhibiting pyroptosis (PubMed:36899106). Promotes blood coagulation (PubMed:20676107). Through the activation of the platelet fibrinogen receptor

integrin alpha-IIb/beta-3, potentiates platelet aggregation induced by a threshold concentration of cathepsin G (CTSG) (PubMed:25211214, PubMed:9111081). Cleaves and thus inactivates tissue factor pathway inhibitor (TFPI) (PubMed:20676107, PubMed:25211214). Capable of killing E.coli but not S.aureus in vitro; digests outer membrane protein A (ompA) in E.coli and K.pneumoniae (PubMed:10947984).

Cellular Location

Cytoplasmic vesicle, phagosome. Note=Localized in phagolysosomes following ingestion of E.coli by neutrophils

Tissue Location

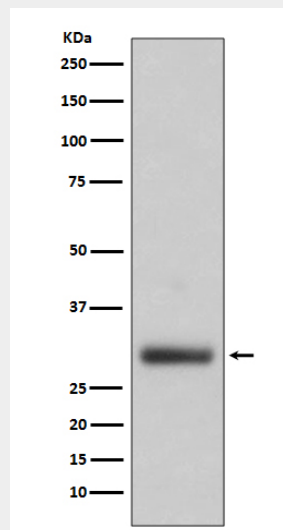
Bone marrow cells. Neutrophil (PubMed:10947984).

Neutrophil Elastase Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Neutrophil Elastase Antibody - Images



Western blot analysis of Neutrophil Elastase expression in HL60 cell lysate.