Neutrophil Elastase (ELANE) Rabbit mAb

Catalog NO.: A28985 Recombinant

Basic Information

Observed MW
29 kDa

Calculated MW
29 kDa

Category
Monoclonal Antibodies

Applications
WB, IHC-P, ELISA

Cross-Reactivity
Human, Mouse, Rat

Conjugation
Unconjugated

Clone number
ARC3858

Background

This gene encodes a member of the chymotrypsin-like family of serine protease enzymes that hydrolyzes a broad range of protein substrates including elastin. This gene is expressed by neutrophils where the encoded enzyme is stored in azurophil granules. Upon neutrophil activation, the active enzyme is released into the extracellular mileu. Mice lacking the encoded protein exhibit increased susceptibility to sepsis and death following intraperitoneal infection with Gram negative bacteria. This gene is located adjacent to a related proteinase gene on chromosome 10.

Recommended Dilutions

WB	1:2000 - 1:10000
IHC-P	1:100 - 1:400

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (⩾1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
50701

Swiss Prot
Q3UP87

Immunogen
This information is considered to be commercially sensitive.

Synonyms
NE; Ela2; F430011M15Rik

Contact

Product Information

order@abclonal.com
service@abclonal.com
www.abclonal.com

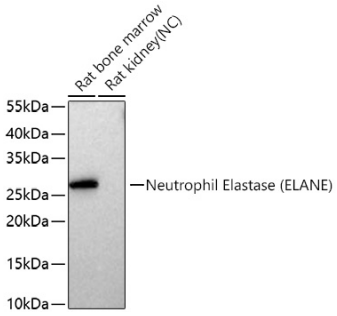
Source
Rabbit

Isotype
IgG

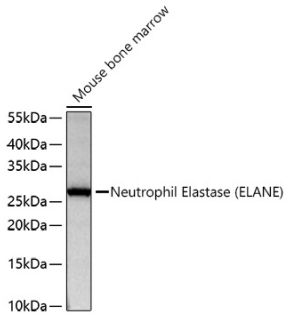
Purification
Affinity purification

Storage
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3

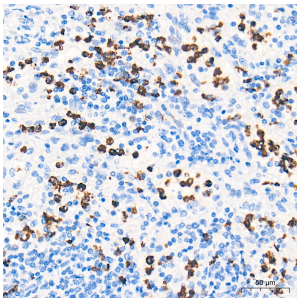
Validation Data



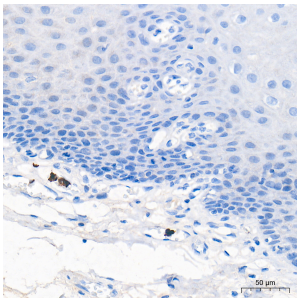
Western blot analysis of various lysates using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Rat kidney.
Exposure time: 90 s.



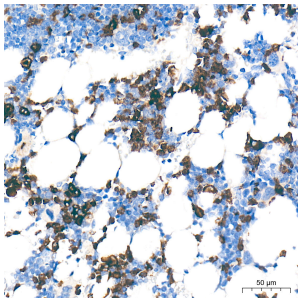
Western blot analysis of lysates from Mouse bone marrow using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at 1:5000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a dilution of



Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a dilution of



Immunohistochemistry analysis of paraffin-embedded Mouse bone marrow tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a

1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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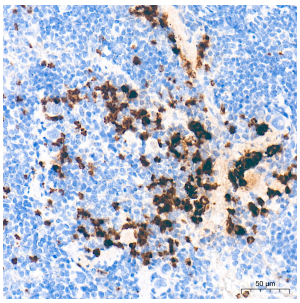
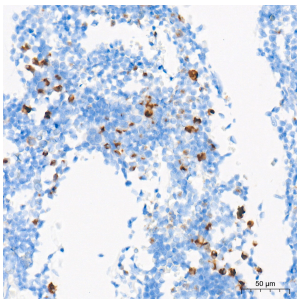
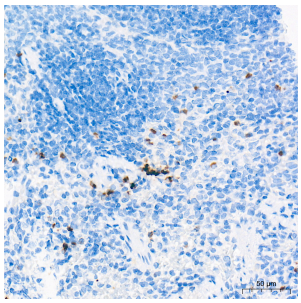
Validation Data



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat bone marrow tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen tissue using Neutrophil Elastase (ELANE) Rabbit mAb (A28985) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

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