

Cathepsin G Rabbit mAb

Catalog No.: A30081

Basic Information

Observed MW

25 kDa(non-glycosylated)

Calculated MW

29 kDa

Category

Monoclonal Antibodies

Applications

WB, IHC-P, ELISA

Cross Reactivity

Mouse, Rat

Clone No.

ARC84423

Background

This gene encodes a member of the peptidase S1 (chymotrypsin) family of serine endopeptidases. The encoded preproprotein is proteolytically processed to generate a mature protein product. This product appears to play a role in host defense, including inflammation and antigen processing. Homozygous knockout mice for this gene exhibit enhanced susceptibility to bacterial and fungal infection.

Recommended Dilutions

WB 1:2000 - 1:5000**IHC-P** 1:500 - 1:2000**ELISA**

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

Immunogen Information

Gene ID

13035

Swiss-Prot

P28293

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

VSP; CatG

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

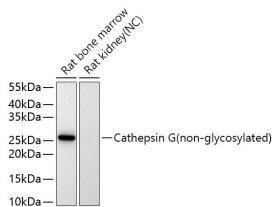
Purity

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of various lysates using Cathepsin G Rabbit mAb (A30081) at 1:5000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

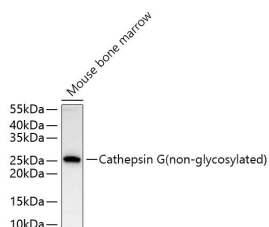
Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): Rat kidney.

Exposure time: 5 s.



Western blot analysis of lysates from Mouse bone marrow using Cathepsin G Rabbit mAb (A30081) at 1:5000 dilution incubated overnight at 4°C.

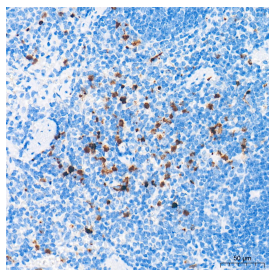
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

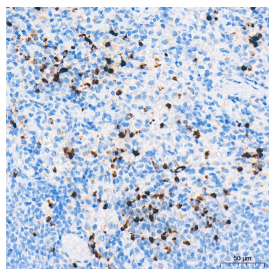
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 45 s.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen tissue using Cathepsin G Rabbit mAb (A30081) at a dilution of 1:1000 (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 Cathepsin G Rabbit mAb (A30081) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.