

A2557SP

Leader in Biomolecular Solutions for Life Science



Granzyme B Rabbit pAb

Catalog No.: A2557SP

21 Publications

Basic Information

Observed MW

33 kDa

Calculated MW

28 kDa

Category

Polyclonal Antibody

Applications

WB,IF/ICC,ELISA

Cross-Reactivity

Human

Background

This gene encodes a member of the granzyme subfamily of proteins, part of the peptidase S1 family of serine proteases. The encoded preproprotein is secreted by natural killer (NK) cells and cytotoxic T lymphocytes (CTLs) and proteolytically processed to generate the active protease, which induces target cell apoptosis. This protein also processes cytokines and degrades extracellular matrix proteins, and these roles are implicated in chronic inflammation and wound healing. Expression of this gene may be elevated in human patients with cardiac fibrosis.

Recommended Dilutions

WB 1:5000 - 1:200000

IF/ICC 1:200 - 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)

Immunogen Information

Gene ID
3002

Swiss Prot
P10144

Immunogen

This information is considered to be commercially sensitive.

Synonyms

C11; HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1; Granzyme B

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

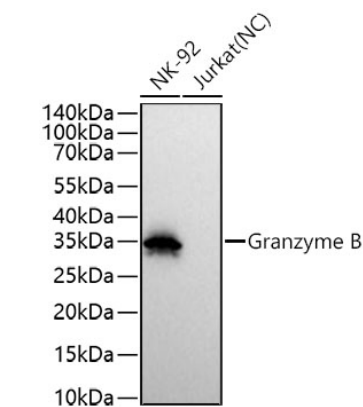
Storage

Store at -20°C

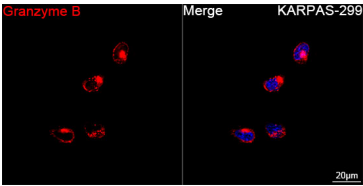
Contact

 www.abclonal.com

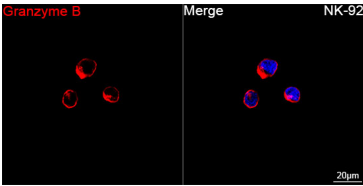
Validation Data



Western blot analysis of various lysates using Granzyme B Rabbit pAb (A2557SP) at 1:200000 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): Jurkat.
Exposure time: 90 s.



Confocal imaging of KARPAS-299 cells using Granzyme B Rabbit pAb (A2557SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of NK-92 cells using Granzyme B Rabbit pAb (A2557SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.