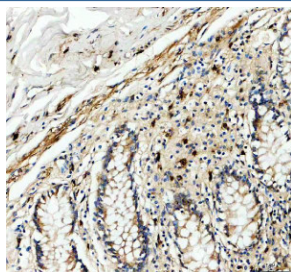


Granzyme B Antibody (R30828)

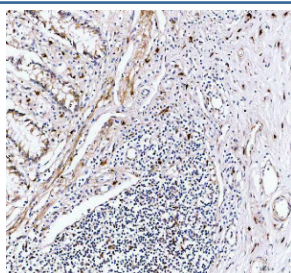
Catalog No.	Formulation	Size
R30828	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

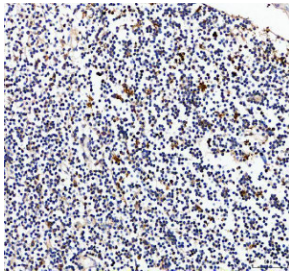
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P10144
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Granzyme B antibody is available for research use only.



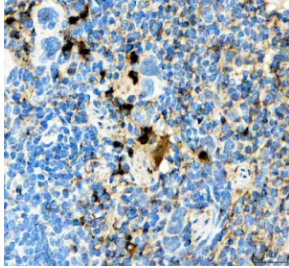
Granzyme B Antibody Human Appendix IHC. Immunohistochemical staining of FFPE human appendix tissue using GZMB Antibody at 2 ug/ml. HIER was performed in pH 8.0 EDTA buffer. An HRP-conjugated goat anti-rabbit IgG secondary antibody with DAB substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, demonstrates strong granular cytoplasmic staining in scattered lymphoid cells within the appendix, consistent with granzyme B expression in activated cytotoxic T lymphocytes and natural killer cells.



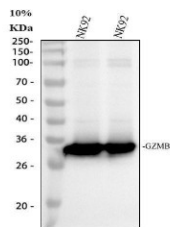
Granzyme B Antibody Human Appendix Lymphoid Tissue IHC. Immunohistochemical staining of FFPE human appendix tissue using GZMB Antibody at 2 ug/ml. HIER was performed in pH 8.0 EDTA buffer. An HRP-conjugated goat anti-rabbit IgG secondary antibody with DAB substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, demonstrates strong granular cytoplasmic staining in scattered lymphocytes within the appendiceal lymphoid aggregates, consistent with granzyme B expression in activated cytotoxic T lymphocytes and natural killer cells.



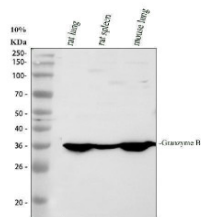
Granzyme B Antibody Human Appendix Immune Cell IHC. Immunohistochemical staining of FFPE human appendix tissue using GZMB Antibody at 2 ug/ml. HIER was performed in pH 8.0 EDTA buffer. An HRP-conjugated goat anti-rabbit IgG secondary antibody with DAB substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, demonstrates strong granular cytoplasmic staining in scattered immune cells within the appendiceal lymphoid tissue, consistent with granzyme B expression in activated cytotoxic T lymphocytes and natural killer cells.



Granzyme B Antibody Mouse Spleen IHC. Immunohistochemical staining of FFPE mouse spleen tissue using Granzyme B Antibody at 2 ug/ml. HIER was performed in pH 8.0 EDTA buffer. An HRP-conjugated goat anti-rabbit IgG secondary antibody with DAB substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, demonstrates strong granular cytoplasmic staining in scattered splenic lymphocytes, consistent with granzyme B expression in activated cytotoxic T lymphocytes and natural killer cells.



Granzyme B Antibody Human NK-92 Cell WB. Western blot analysis of human NK-92 cell lysates using Granzyme B Antibody at 0.5 ug/ml. An HRP-conjugated goat anti-rabbit IgG secondary antibody with ECL substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, detects a strong band at approximately 33 kDa in NK-92 cells, consistent with the mature glycosylated form of granzyme B.



Granzyme B Antibody Mouse and Rat WB. Western blot analysis of rat lung and spleen tissue lysates, and mouse lung tissue lysate using Granzyme B Antibody at 0.5 ug/ml. An HRP-conjugated goat anti-rabbit IgG secondary antibody with ECL substrate was used for detection. Granzyme B Antibody, a Cytotoxic Lymphocyte Marker Antibody, detects a prominent band at approximately 33 kDa in both rat and mouse tissues, consistent with the mature glycosylated form of granzyme B.

Description

Granzyme B Antibody specifically binds Granzyme B, a serine protease that in humans is encoded by the GZMB gene. Granzyme B is expressed by cytotoxic T lymphocytes (CTL) and natural killer(NK) cells. CTL and NK cells share the remarkable ability to recognize specific infected target cells. They are thought to protect their host by inducing apoptosis of cells that bear on their surface nonself antigens, usually peptides or proteins resulting from infection by intracellular pathogens. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response.

Learn more about our [Granzyme B Antibody](#), a Cytotoxic Lymphocyte Marker Antibody for investigating immune cell activation, cell-mediated cytotoxicity, tumor immunity, and natural killer cell function.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Granzyme B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Granzyme B (QEDRKCESDLRHYYDST) was used as the

immunogen for this Granzyme B antibody.

Storage

After reconstitution, the Granzyme B antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Alternate Names

Cathepsin G-like 1 antibody, GZMB antibody