

Rabbit Anti-Granzyme B Polyclonal: RC0406, RC0406RTU7

Intended Use: For Research Use Only

Description: Granzyme B is a member of the granule serine protease family stored specifically in NK cells or cytotoxic T cells. Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the ability to recognize, bind, and lyse specific target cells. They are thought to protect their host by lysing cells bearing on their surface 'nonself' antigens, usually peptides or proteins resulting from infection by intracellular pathogens. Granzyme B is crucial for the rapid induction of target cell apoptosis by CTLs in the cell-mediated immune response. Granzyme B is useful as a marker in the identification of T/NK-cell lymphomas in conjunction with CD56.

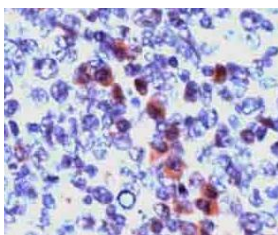
Specifications:

Clone: Polyclonal
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Cytoplasm granule
 Formulation: Antibody in PBS pH7.4, containing BSA and $\leq 0.09\%$ sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, Flow Cyt., ICC/IF, WB
 Package:

Description	Catalog No.	Size
Granzyme B Concentrated	RC0406	1 ml
Granzyme B Prediluted	RC0406RTU7	7 ml

IHC Procedure*:

Positive Control Tissue: Tonsil, Hodgkin's lymphoma
 Concentrated Dilution: 50-200
 Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual
 * Result should be confirmed by an established diagnostic procedure.



FFPE human tonsil stained with anti-Granzyme B using DAB

References:

1. Tasquinimod modulates tumor-infiltrating myeloid cells and improves the antitumor immune response to PD-L1 blockade in bladder cancer. Nakhle J, et al. Oncoimmunology 5:e1145333, 2016.
2. Vasopressin Impairment During Sepsis Is Associated with Hypothalamic Intrinsic Apoptotic Pathway and Microglial Activation. da Costa LH, et al. Mol Neurobiol N/A:N/A, 2016.
3. Anti-PD-L1 treatment enhances antitumor effect of everolimus in a mouse model of renal cell carcinoma. Hirayama Y, et al. Cancer Sci 107:1736-1744, 2016.
4. Glycosylation and stabilization of programmed death ligand-1 suppresses T-cell activity. Li CW, et al. Nat Commun 7:12632, 2016.

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