

# Product Datasheet

## Granzyme B Antibody NB100-684

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

[www.novusbio.com](http://www.novusbio.com)



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Updated 9/9/2025 v.20.1

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**NB100-684**

## Granzyme B Antibody

Product Information	
<b>Unit Size</b>	0.5 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.4), 0.2% BSA, Tween-20

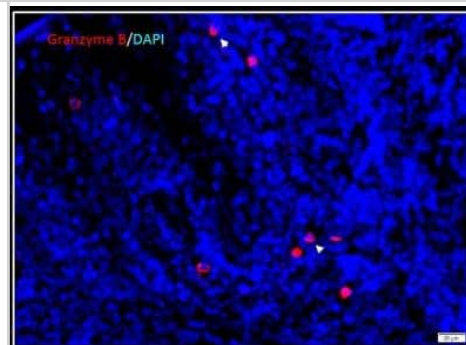
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Granzyme B Antibody (NB100-684) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Granzyme B Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3002
<b>Gene Symbol</b>	GZMB
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This reacts with a 32 kDa protein.
<b>Immunogen</b>	Synthetic peptide: EIIGGHEAKPHSRPYMAYL, corresponding to amino acids 20-38 of Human Granzyme B (N-terminus).

Product Application Details	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50-1:100, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:100, Immunohistochemistry-Frozen 1:10-1:500
<b>Application Notes</b>	IHC-P: recommended pretreatment of citrate buffer, pH 6.0. Recommended incubation time of 30 min at RT.



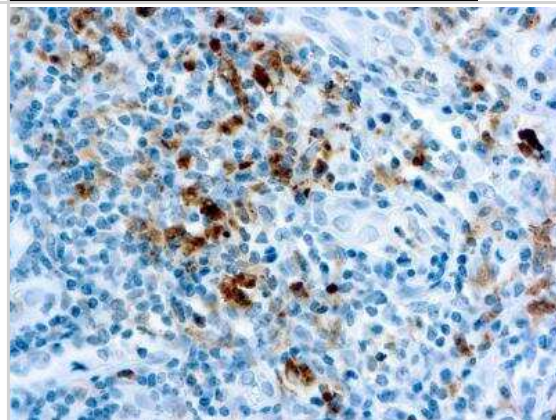
## Images

Immunocytochemistry/Immunofluorescence: Granzyme B Antibody [NB100-684] - Staining of Granzyme B in red on FFPE human Tonsil. Secondary antibody is donkey anti-rabbit A647. Nuclei counter-stained with DAPI. Staining pattern is cytoplasmic with obvious polarization (see arrowheads) in some cases. This image was submitted via customer Review.



Single staining of Granzyme B in red on FFPE section of human Tonsil. Primary Ab is NB100-684 from Novus Biologicals, Secondary Ab is donkey anti-rabbit A647. Nuclei were counterstained with DAPI (in blue). The staining pattern is cytoplasmic with obvious polarization (see arrowheads) in some cases.

Immunohistochemistry-Paraffin: Granzyme B Antibody [NB100-684] - FFPE human tonsil stained with Granzyme B antibody.



## Publications

Chen X, Zhao J, Herjan T et al. IL-17-induced HIF1 $\alpha$  drives resistance to anti-PD-L1 via fibroblast-mediated immune exclusion *Journal of Experimental Medicine* 2022-06-06 [PMID: 35389431] (Immunohistochemistry-Paraffin, Human)

YR Na, JW Kwon, DY Kim, H Chung, J Song, D Jung, H Quan, D Kim, JS Kim, YW Ju, W Han, HS Ryu, YS Lee, JJ Hong, SH Seok Protein Kinase A Catalytic Subunit Is a Molecular Switch that Promotes the Pro-tumoral Function of Macrophages *Cell Rep*, 2020-05-12;31(6):107643. 2020-05-12 [PMID: 32402274]

Fujiwara H, Mathew Av, Kovalneko I et Al. Mitochondrial Complex II In Intestinal Epithelial Cells Regulates T-cell Mediated Immunopathology *Nat Immunol* 2021-10-23 [PMID: 34686860]

Fang W, Zhou T, Shi H, et al. Progranulin induces immune escape in breast cancer via up-regulating PD-L1 expression on tumor-associated macrophages (TAMs) and promoting CD8 $^{+}$  T cell exclusion *Journal of experimental & clinical cancer research : CR* 2021-01-04 [PMID: 33390170] (IHC-P, Mouse)

Luchtel RA, Bhagat T, Pradhan K et al. High-dose ascorbic acid synergizes with anti-PD1 in a lymphoma mouse model *Proc. Natl. Acad. Sci. U.S.A.* 2020-01-21 [PMID: 31911474] (ICC/IF, Mouse)

Giles AJ, Hao S, Padget M et al. Efficient ADCC- killing of meningioma by avelumab and a high-affinity natural killer cell line, haNK *JCI Insight*. 2019-10-17 [PMID: 31536478] (IHC-P, Human)

Gunderson AJ, Kaneda MM, Tsujikawa T et al. Bruton Tyrosine Kinase-Dependent Immune Cell Cross-talk Drives Pancreas Cancer. *Cancer Discov*. 2016-03-06 [PMID: 26715645] (IHC-P, Human)

Medler T, Murugan D, Horton W et al. Complement C5a Fosters Squamous Carcinogenesis and Limits T Cell Response to Chemotherapy *Cancer Cell*. 2018-10-08 [PMID: 30300579] (IF/IHC, IF/IHC, Mouse)



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### **Products Related to NB100-684**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-88151PEP	Granzyme B Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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