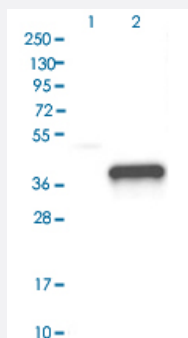


GZMB polyclonal antibody

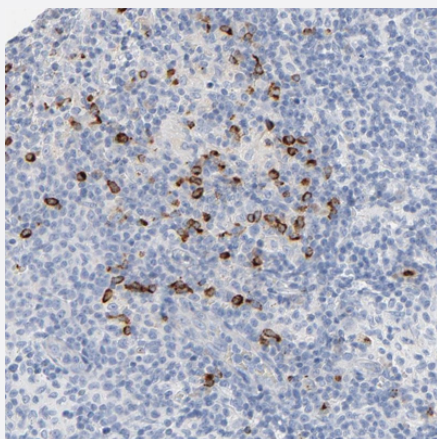
Catalog # PAB29409 Size 100 uL

Applications



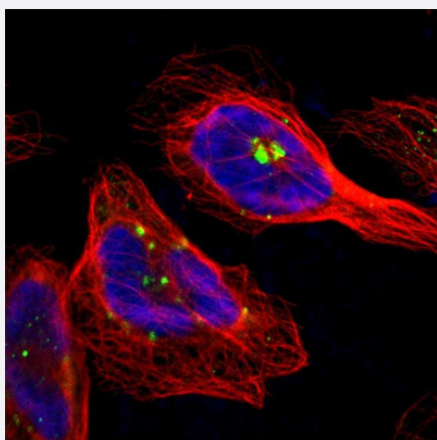
Western Blot (Transfected lysate)

Western blot analysis of Lane 1: Negative control (vector only transfected HEK293T lysate) Lane 2: Over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells) with GZMB polyclonal antibody (Cat # PAB29409) at 1:100-1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human lymph node with GZMB polyclonal antibody (Cat # PAB29409) shows strong cytoplasmic positivity in a subset of lymphoid cells outside reaction center at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS with GZMB polyclonal antibody (Cat # PAB29409) at 1-4 ug/mL concentration shows positivity in vesicles.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human GZMB.
Immunogen	Recombinant protein corresponding to human GZMB.
Sequence	TRAVQPLRLPSNKAQVKPGQTCSVAGWGQTAPLGKHSHTLQEVKMTVQEDRKCESDLRHHYDS TIELCVGDPEIKKTSFKGDSGGPLVCNKVAQGMVSYGRNNGMPPRACKVSS
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Immunofluorescence (1-4 ug/mL) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

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Gene Info — GZMB

Entrez GeneID [3002](#)

Gene Name GZMB

Gene Alias CCPI, CGL-1, CGL1, CSP-B, CSPB, CTLA1, CTSL1, HLP, SECT

Gene Description granzyme B (granzyme 2, cytotoxic T-lymphocyte-associated serine esterase 1)

Omim ID [123910](#)

Gene Ontology [Hyperlink](#)

Gene Summary Cytolytic T lymphocytes (CTL) and natural killer (NK) cells share the remarkable 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. The protein encoded by this gene is crucial for the rapid induction of target cell apoptosis by CTL in cell-mediated immune response. [provided by RefSeq]

Other Designations T-cell serine protease 1-3E|cathepsin G-like 1|cytotoxic serine protease B|fragmentin 2|granzyme B

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Type I diabetes mellitus](#)

Disease

- [Arthritis](#)

- [Asthma](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Leukemia](#)
- [Lymphohistiocytosis](#)
- [Melanoma](#)
- [Neovascularization](#)
- [Respiratory Syncytial Virus Infections](#)
- [Vitiligo](#)