

Rabbit Granzyme B Polyclonal Antibody | anti-GZMB antibody

Granzyme B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320820	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

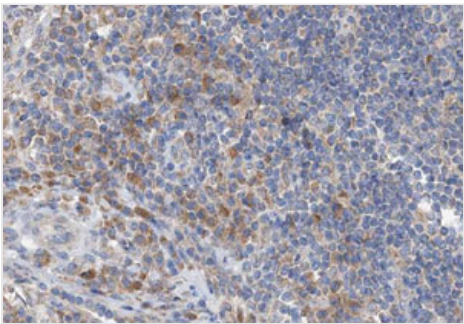
PRODUCT SYNONYMS

Granzyme B; Polyclonal Antibody; Granzyme B Antibody; C11; Cathepsin G like 1; Cathepsin G-like 1; CCPI; CGL 1; CGL1; CSP B; CSPB; CTLA-1; CTLA1; CTSG1; Cytotoxic serine protease B; Cytotoxic T lymphocyte associated serine esterase 1; Cytotoxic T lymphocyte proteinase 2; Cytotoxic T-lymphocyte proteinase 2; Fragmentin 2; Fragmentin-2; GRAB_HUMAN; Granzyme 2; Granzyme B (granzyme 2; cytotoxic T lymphocyte associated serine esterase 1); Granzyme-2; GranzymeB; GRB; Gzmb; Hlp; Human lymphocyte protein; Lymphocyte protease; Protease; serine; B; SECT; T cell serine protease 1-3E; T-cell serine protease 1-3E; Cathepsin G like 2; Cathepsin G-like 2; CCP X; CCP-X; CGL 2; CGL2; CSP C; CSP-C; CTSG2; Cytotoxic serine protease C; Cytotoxic T lymphocyte proteinase; Cytotoxic T-lymphocyte proteinase; EC 3.4.21.-; GRAH_HUMAN; Granzyme H (cathepsin G-like 2; protein h-CCPX); Granzyme H; GZMH; Protein h CCPX; anti-GZMB antibody

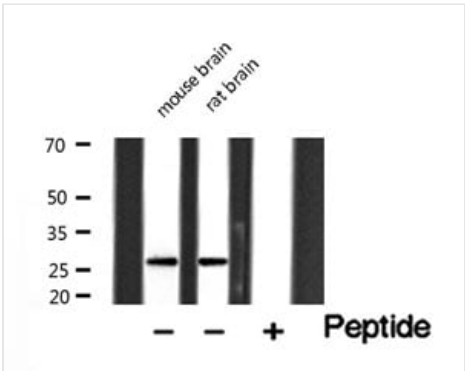
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Granzyme B Ab-detects endogenous levels of total Granzyme B
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-GZMB antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Granzyme B
Subcellular Location	Cytoplasmic Granule. Cytoplasmic granules of cytolytic t-lymphocytes and natural killer cells.
Tissue Specificity	By staphylococcal enterotoxin A (SEA) in peripheral blood leukocytes.
Similarity	Belongs to the peptidase S1 family. Granzyme subfamily.
Conjugation	Unconjugated
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

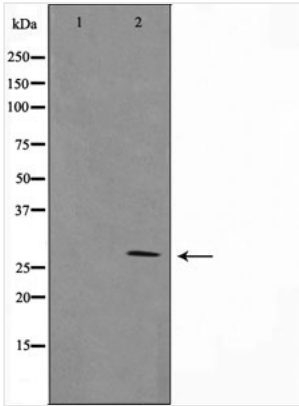
IMAGES



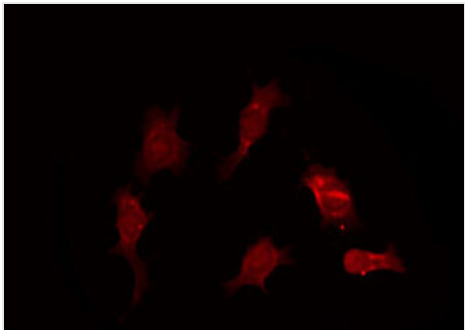
IHC (Immunohistochemistry)
AAA320820 at 1/100 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of various tissue sample, using Granzyme B Antibody.



WB (Western Blot)
Western blot analysis on NIH-3T3 cell lysate using Granzyme B Antibody, The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA320820 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GZMB antibody	Description: GZMB This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis. Belongs to the peptidase S1 family. Granzyme subfamily. Induced by staphylococcal enterotoxin A (SEA) in peripheral blood leukocytes. Function: This enzyme is necessary for target cell lysis in cell-mediated immune responses. It cleaves after Asp. Seems to be linked to an activation cascade of caspases (aspartate-specific cysteine proteases) responsible for apoptosis execution. Cleaves caspase-3, -7, -9 and 10 to give rise to active enzymes mediating apoptosis. Similarity: Belongs to the peptidase S1 family. Granzyme subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	221625528
NCBI GeneID	3002
NCBI Accession #	NP_004122.2
NCBI GenBank Nucleotide #	NM_004131.5
UniProt Accession #	P10144; Q8N1D2; Q9UCC1
Molecular Weight	28 kDa
NCBI Official Full Name	granzyme B isoform 1 preproprotein

NCBI Official Synonym Full Names	granzyme B
NCBI Official Symbol	GZMB
NCBI Official Synonym Symbols	C11; HLP; CCPI; CGL1; CSPB; SECT; CGL-1; CSP-B; CTLA1; CTSG1
NCBI Protein Information	granzyme B
UniProt Protein Name	Granzyme B
UniProt Gene Name	GZMB
UniProt Synonym Gene Names	CGL1; CSPB; CTLA1; GRB; CTSG1; Lymphocyte protease; HLP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/granzyme-b-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320820>