

## Rabbit anti-Human, Mouse Granzyme H Polyclonal Antibody | anti-GZMH antibody

Granzyme H Antibody

| CATALOG # | HOST   | REACTIVITY   | APPLICATIONS                                                                       |
|-----------|--------|--------------|------------------------------------------------------------------------------------|
| AAA322530 | Rabbit | Human, Mouse | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

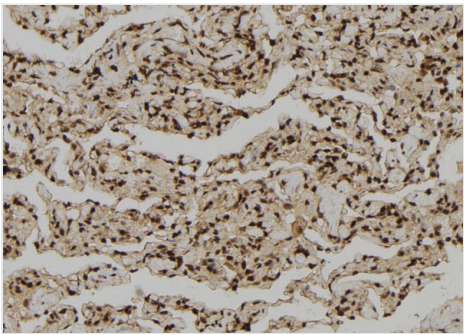
### PRODUCT SYNONYMS

Granzyme H; Polyclonal Antibody; Granzyme H Antibody; Cathepsin G like 2; Cathepsin G-like 2; CCP X; CCP-X; CGL 2; CGL2; CSP C; CSP-C; CTLA1; CTSG2; Cytotoxic serine protease C; Cytotoxic T lymphocyte associated serine esterase 1; Cytotoxic T lymphocyte proteinase; Cytotoxic T-lymphocyte proteinase; EC 3.4.21.-; GRAH\_HUMAN; Granzyme H (cathepsin G-like 2; protein h-CCPX); GZMH; Protein h CCPX; anti-GZMH antibody

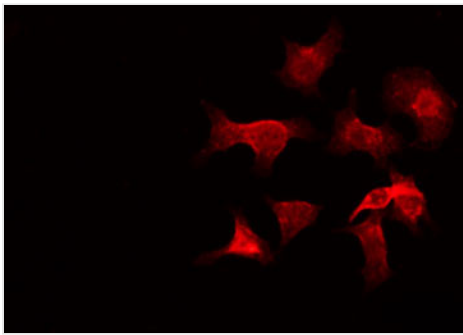
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                   |
| Reactivity                                     | Human, Mouse                                                                                             |
| Clonality                                      | Polyclonal                                                                                               |
| Isotype                                        | IgG                                                                                                      |
| Specificity                                    | Granzyme H antibody detects endogenous levels of total Granzyme H                                        |
| Purity/Purification                            | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                    | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                  | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                | 160                                                                                                      |
| Applicable Applications for anti-GZMH antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                      | A synthesized peptide derived from human Granzyme H                                                      |
| Subcellular Location                           | Cytoplasmic Granule. Cytoplasmic granules of cytolytic t-lymphocytes.                                    |
| Tissue Specificity                             | Constitutively expressed in NK cells.                                                                    |
| Predicted Cross Reactivity                     | <b>Pig, Rabbit</b>                                                                                       |
| Similarity                                     | Pig (82%), Rabbit (100%)                                                                                 |
| Conjugation                                    | Unconjugated                                                                                             |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |

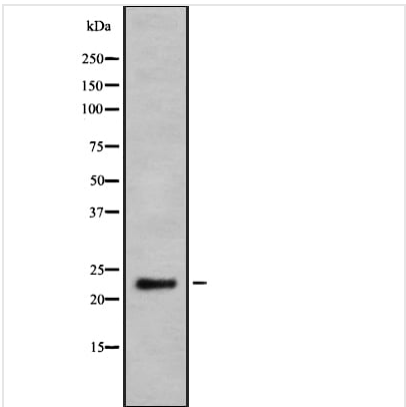
IMAGES



**IHC (Immunohistochemisry)**  
AAA322530 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample 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.



**IF (Immunofluorescence)**  
AAA322530 staining Hela 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.



**WB (Western Blot)**  
Western blot analysis Granzyme H using K562 whole cell lysates

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-GZMH antibody</b> | Function: Cytotoxic chymotrypsin-like serine protease with preference for bulky and aromatic residues at the P1 position and acidic residues at the P3' and P4' sites. Probably necessary for target cell lysis in cell-mediated immune responses. Participates in the antiviral response via direct cleavage of several proteins essential for viral replication.<br>Similarity: Belongs to the peptidase S1 family. Granzyme subfamily. |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 399124767                             |
| NCBI GeneID                      | 2999                                  |
| NCBI Accession #                 | NP_001257710.1                        |
| NCBI GenBank Nucleotide #        | NM_001270781.1                        |
| UniProt Accession #              | P20718; Q6XGZ0; Q6XGZ1; G3V2C5        |
| Molecular Weight                 | Observed: 23 kDa<br>Predicted: 28 kDa |
| NCBI Official Full Name          | granzyme H isoform 3                  |
| NCBI Official Synonym Full Names | granzyme H                            |
| NCBI Official Symbol             | GZMH                                  |

|                               |                                   |
|-------------------------------|-----------------------------------|
| NCBI Official Synonym Symbols | CCP-X; CGL-2; CSP-C; CTLA1; CTSG2 |
| NCBI Protein Information      | granzyme H                        |
| UniProt Protein Name          | Granzyme H                        |
| UniProt Gene Name             | <b>GZMH</b>                       |
| UniProt Synonym Gene Names    | CGL2; CTSG2; CTSG2; CSP-C         |

**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-h-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/322530>