

## Rabbit Cathepsin G Polyclonal Antibody | anti-CTSG antibody

Anti-Cathepsin G Antibody

|                              |                       |                                                        |                                     |
|------------------------------|-----------------------|--------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA45656</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Rat (Predicted Reactivity: Human)</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|-----------------------|--------------------------------------------------------|-------------------------------------|

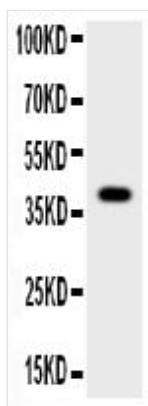
### PRODUCT SYNONYMS

Cathepsin G; Polyclonal Antibody; Anti-Cathepsin G Antibody; cathepsin G; CATG antibody; CATG\_HUMAN antibody; Cathepsin G antibody; Cathepsin G precursor antibody; CathepsinG antibody; CG antibody; CTSG antibody; CTSG protein antibody; MGC23078 antibody; anti-CTSG antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                               |
| Reactivity                                     | Rat (Predicted Reactivity: Human)                                                                                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                                                                                  |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                    | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                | 255                                                                                                                                                                                                  |
| Applicable Applications for anti-CTSG antibody | WB (Western Blot)                                                                                                                                                                                    |
| Immunogen                                      | E Coli-derived human Cathepsin G recombinant protein (Position: A76-L255). Human Cathepsin G shares 66% amino acid (aa) sequence identity with mouse Cathepsin G.                                    |
| Contents                                       | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.                                                                                                                                  |
| Reconstitution                                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                        | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### Application Data

Anti-Cathepsin G Picoband antibody, AAA45656-1.jpg All lanes: Anti-Cathepsin G(AAA45656) at 0.5ug/ml WB: Rat Thymus Tissue Lysate at 40ug Predicted bind size: 38KD Observed bind size: 38KD

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTSG antibody | <p><b>Description:</b> Rabbit IgG polyclonal antibody for Cathepsin G(CTSG) detection. Tested with WB in Human, Rat.</p> <p><b>Background:</b> Cathepsin G is an enzymatic protein belonging to the peptidase or protease families. In humans, it is coded by the CTSG gene. This gene is mapped to 14q12, human Cathepsin G gene was expressed in early myeloid precursors in a manner coordinate with the expression of the endogenous murine gene in the bone marrow and spleen. The protein encoded by this gene, a member of the peptidase S1 protein family, is found in azurophil granules of neutrophilic polymorphonuclear leukocytes. The encoded protease has a specificity similar to that of chymotrypsin C, and may participate in the killing and digestion of engulfed pathogens, and in connective tissue remodeling at sites of inflammation.</p> |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI GI #                        | 115725                         |
| NCBI GeneID                      | 1511                           |
| UniProt Accession #              | P08311; Q6IBJ6; Q9UCA5; Q9UCU6 |
| Molecular Weight                 | 28,837 Da                      |
| NCBI Official Full Name          | Cathepsin G                    |
| NCBI Official Synonym Full Names | cathepsin G                    |
| NCBI Official Symbol             | CTSG                           |
| NCBI Official Synonym Symbols    | CG; CATG                       |
| NCBI Protein Information         | cathepsin G                    |
| UniProt Protein Name             | Cathepsin G                    |
| UniProt Gene Name                | CTSG                           |
| UniProt Synonym Gene Names       | CG                             |
| UniProt Entry Name               | CATG_HUMAN                     |

**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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