

## Rabbit CTSS Polyclonal Antibody | anti-CTSS antibody

CTSS Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                              |
|-----------|--------|-------------------|-------------------------------------------|
| AAA327431 | Rabbit | Human, Mouse, Rat | ELISA, Immunohistochemistry, Western Blot |

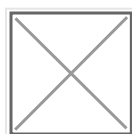
### PRODUCT SYNONYMS

CTSS; Polyclonal Antibody; CTSS Antibody; Cathepsin S; CathepsinS; CATS\_HUMAN; Ctss; anti-CTSS antibody

### PRODUCT SPECIFICATIONS

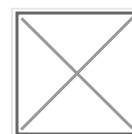
|                                                |                                                                                               |
|------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                        |
| Reactivity                                     | Human, Mouse, Rat                                                                             |
| Clonality                                      | Polyclonal                                                                                    |
| Isotype                                        | IgG                                                                                           |
| Specificity                                    | CTSS antibody detects endogenous levels of total CTSS                                         |
| 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                                | 281                                                                                           |
| Applicable Applications for anti-CTSS antibody | ELISA, IHC (Immunohistochemistry), WB (Western Blot)                                          |
| Immunogen                                      | A synthesized peptide derived from human CTSS                                                 |
| Subcellular Location                           | Lysosome.                                                                                     |
| Predicted Cross Reactivity                     | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                 |
| Similarity                                     | Pig (83%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (92%), Dog (83%)                   |
| Conjugation                                    | Unconjugated                                                                                  |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                             |

### IMAGES



#### WB (Western Blot)

Western blot analysis of CTSS using HuvEc whole cell lysates



#### IHC (Immunohistochemistry)

AAA327431 at 1/100 staining Mouse kidney 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.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CTSS antibody | Function: Thiol protease. Key protease responsible for the removal of the invariant chain from MHC class II molecules. The bond-specificity of this proteinase is in part similar to the specificities of cathepsin L.<br>Subunit Structure: Monomer.<br>Similarity: Belongs to the peptidase C1 family. |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 315075311                                      |
| NCBI GeneID                      | 1520                                           |
| NCBI Accession #                 | NP_001186668.1                                 |
| NCBI GenBank Nucleotide #        | NM_001199739.1                                 |
| UniProt Accession #              | P25774; Q5T5I0; Q6FHS5; Q9BUG3; B4DWC9; D3DV05 |
| Molecular Weight                 | Observed: 37 kDa<br>Predicted: 38 kDa          |
| NCBI Official Full Name          | cathepsin S isoform 2 preproprotein            |
| NCBI Official Synonym Full Names | cathepsin S                                    |
| NCBI Official Symbol             | CTSS                                           |
| NCBI Protein Information         | cathepsin S                                    |
| UniProt Protein Name             | Cathepsin S                                    |
| UniProt Gene Name                | CTSS                                           |

**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/ctss-antibody-immunohistochemistry-western-blot-elisa/327431>