

**CTSC / Cathepsin C / JP Antibody (aa238-252)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS16100****Specification**

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**CTSC / Cathepsin C / JP Antibody (aa238-252) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P53634</a> |
| Reactivity        | Human, Monkey          |
| Host              | Goat                   |
| Clonality         | Polyclonal             |
| Calculated MW     | 52kDa KDa              |

**CTSC / Cathepsin C / JP Antibody (aa238-252) - Additional Information****Gene ID** 1075**Other Names**

Dipeptidyl peptidase 1, 3.4.14.1, Cathepsin C, Cathepsin J, Dipeptidyl peptidase I, DPP-I, DPPI, Dipeptidyl transferase, Dipeptidyl peptidase 1 exclusion domain chain, Dipeptidyl peptidase I exclusion domain chain, Dipeptidyl peptidase 1 heavy chain, Dipeptidyl peptidase I heavy chain, Dipeptidyl peptidase 1 light chain, Dipeptidyl peptidase I light chain, CTSC, CPPI

**Target/Specificity**

Human CTSC / Cathepsin C / JP. This antibody is expected to recognize isoform a (NP\_001805.3) only.

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

CTSC / Cathepsin C / JP Antibody (aa238-252) is for research use only and not for use in diagnostic or therapeutic procedures.

**CTSC / Cathepsin C / JP Antibody (aa238-252) - Protein Information****Name** CTSC**Synonyms** CPPI**Function**

Thiol protease (PubMed:<a href="http://www.uniprot.org/citations/1586157" target="\_blank">1586157</a>). Has dipeptidylpeptidase activity (PubMed:<a href="http://www.uniprot.org/citations/1586157" target="\_blank">1586157</a>). Active against a broad range of dipeptide substrates composed of both polar and hydrophobic amino acids (PubMed:<a href="http://www.uniprot.org/citations/1586157" target="\_blank">1586157</a>). Proline cannot occupy the P1 position and arginine cannot occupy the P2 position of the substrate (PubMed:<a href="http://www.uniprot.org/citations/1586157" target="\_blank">1586157</a>).

Can act as both an exopeptidase and endopeptidase (PubMed:<a href="http://www.uniprot.org/citations/1586157" target="\_blank">1586157</a>). Activates serine proteases such as elastase, cathepsin G and granzymes A and B (PubMed:<a href="http://www.uniprot.org/citations/8428921" target="\_blank">8428921</a>).

**Cellular Location**

Lysosome.

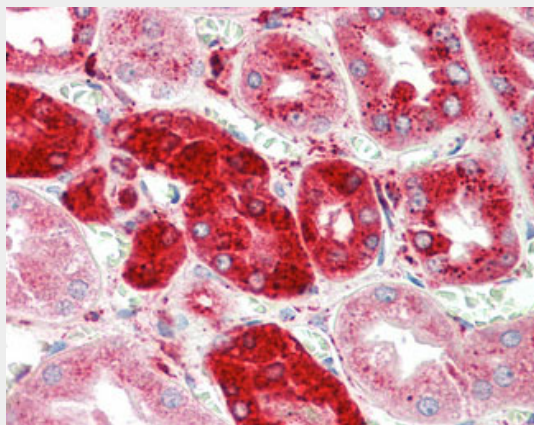
**Tissue Location**

Ubiquitous. Highly expressed in lung, kidney and placenta. Detected at intermediate levels in colon, small intestine, spleen and pancreas.

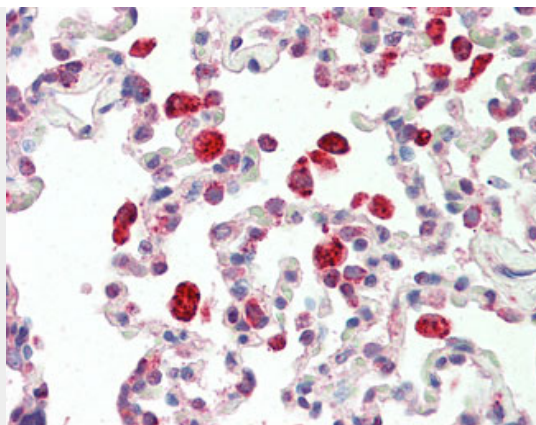
**CTSC / Cathepsin C / JP Antibody (aa238-252) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CTSC / Cathepsin C / JP Antibody (aa238-252) - Images**

Anti-CTSC / Cathepsin C / JP antibody IHC staining of human kidney.



Anti-CTSC / Cathepsin C / JP antibody IHC staining of human lung.

#### **CTSC / Cathepsin C / JP Antibody (aa238-252) - Background**

Thiol protease. Has dipeptidylpeptidase activity. Active against a broad range of dipeptide substrates composed of both polar and hydrophobic amino acids. Proline cannot occupy the P1 position and arginine cannot occupy the P2 position of the substrate. Can act as both an exopeptidase and endopeptidase. Activates serine proteases such as elastase, cathepsin G and granzymes A and B. Can also activate neuraminidase and factor XIII.

#### **CTSC / Cathepsin C / JP Antibody (aa238-252) - References**

- Paris A.,et al.FEBS Lett. 369:326-330(1995).
- Rao N.V.,et al.J. Biol. Chem. 272:10260-10265(1997).
- Allende L.M.,et al.Hum. Mutat. 17:152-153(2001).
- Allende L.M.,et al.Mol. Genet. Metab. 79:146-148(2003).
- Ota T.,et al.Nat. Genet. 36:40-45(2004).