

CTSC Antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI14499**Specification**

CTSC Antibody - N-terminal region - Product Information

Application	WB
Primary Accession	P53634
Reactivity	Human, Rat, Rabbit, Pig
Predicted	Human, Rabbit, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	50kDa KDa

CTSC Antibody - N-terminal region - 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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-CTSC antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

CTSC Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

CTSC Antibody - N-terminal region - Protein Information**Name** CTSC**Synonyms** CPPI**Function**

Thiol protease (PubMed:<[a href="http://www.uniprot.org/citations/1586157" target="_blank">1586157](http://www.uniprot.org/citations/1586157)>). Has dipeptidylpeptidase activity (PubMed:<[a href="http://www.uniprot.org/citations/1586157" target="_blank">1586157](http://www.uniprot.org/citations/1586157)>). 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](http://www.uniprot.org/citations/1586157)>). Proline cannot occupy the P1 position and arginine cannot occupy the P2 position of the substrate

(PubMed:1586157). Can act as both an exopeptidase and endopeptidase (PubMed:1586157). Activates serine proteases such as elastase, cathepsin G and granzymes A and B (PubMed:8428921).

Cellular Location

Lysosome.

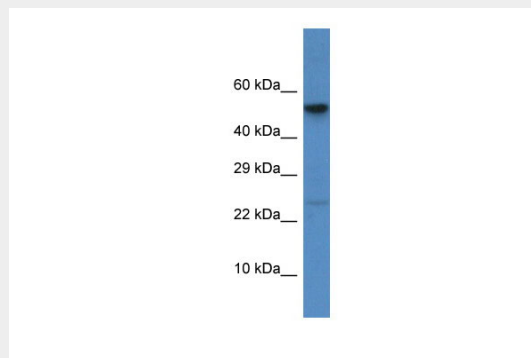
Tissue Location

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

CTSC Antibody - N-terminal region - 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 Antibody - N-terminal region - Images

Host: Rabbit

Target Name: CTSC

Sample Tissue: HCT15 Whole cell lysate

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Antibody Dilution: 1.0µg/ml

CTSC Antibody - N-terminal region - 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).