10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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:1586157). Has dipeptidylpeptidase activity (PubMed:1586157). Active against a broad range of dipeptide substrates composed of both polar and hydrophobic amino acids (PubMed: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.

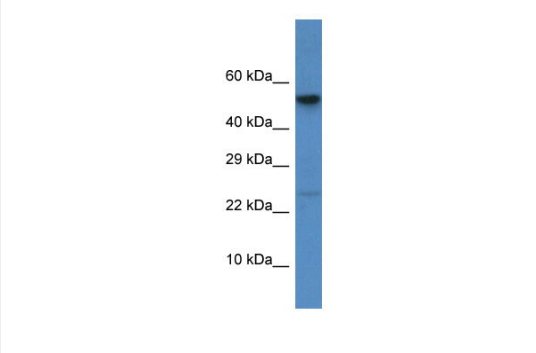
Tissue Location
Ubiquitous. Highly expressed in lung, kidney and placenta. Detected at intermediate levels in colon, small intestine, spleen and pancreas.

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 Cytomety
- Cell Culture

CTSC Antibody - N-terminal region - Images



Host: Rabbit
Target Name: CTSC
Sample Tissue: HCT15 Whole cell lysate
s
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).