

Cleaved-Cathepsin C HC (R394) Polyclonal Antibody
Catalog # AP63110**Specification****Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P53634
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - Additional Information**Gene ID** 1075**Other Names**

CTSC; CPPI; Dipeptidyl peptidase 1; Cathepsin C; Cathepsin J; Dipeptidyl peptidase I; DPP-I; DPPI; Dipeptidyl transferase

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - 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:<[a href="http://www.uniprot.org/citations/1586157" target="_blank">1586157](http://www.uniprot.org/citations/1586157)). Can act as both an exopeptidase and endopeptidase (PubMed:<[a href="http://www.uniprot.org/citations/1586157" target="_blank">1586157](http://www.uniprot.org/citations/1586157)). 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](http://www.uniprot.org/citations/8428921)).

Cellular Location

Lysosome.

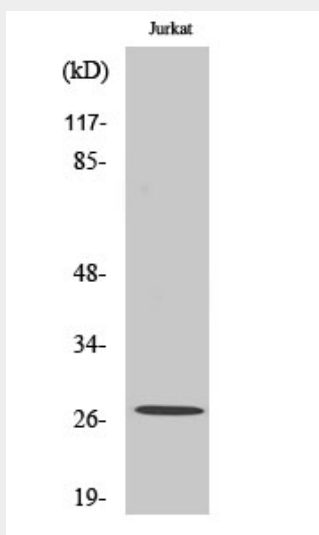
Tissue Location

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

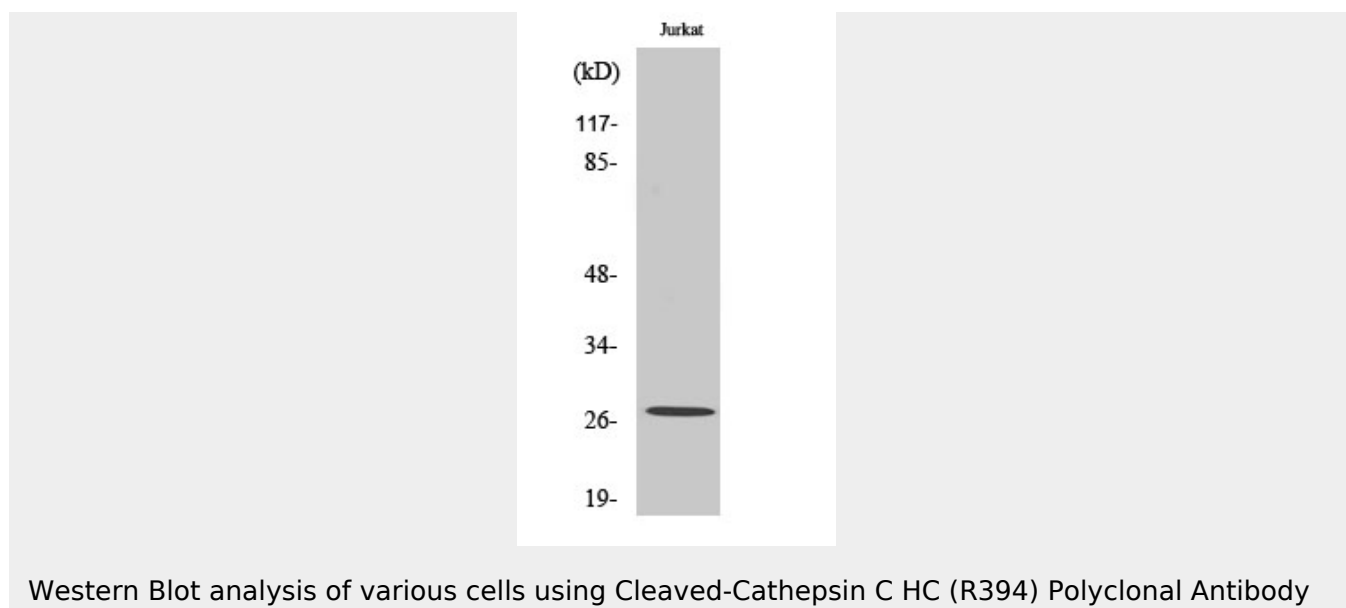
Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - Protocols

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](#)

Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - Images

Western Blot analysis of various cells using Cleaved-Cathepsin C HC (R394) Polyclonal Antibody



Cleaved-Cathepsin C HC (R394) Polyclonal Antibody - 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.