

Cleaved-Cathepsin C HC (R394) Polyclonal Antibody

Catalog # AP63110

Product Information

Application WB
Primary Accession P53634
Reactivity Human
Host Rabbit
Clonality Polyclonal
Calculated MW 51854

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

Protein Information

Name CTSC

Synonyms CPPI

Function Thiol protease (PubMed: <u>1586157</u>). 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:<u>8428921</u>).

Cellular Location Lysosome.

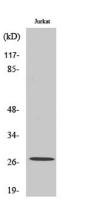
Tissue Location Ubiquitous. Highly expressed in lung, kidney and placenta. Detected at

intermediate levels in colon, small intestine, spleen and pancreas.

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.

Images



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

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