

cathepsin C / DPP1 (aa238-252) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3885a**Specification**

cathepsin C / DPP1 (aa238-252) Antibody (internal region) - Product Information

Application	WB, E
Primary Accession	P53634
Other Accession	NP_001805.3 , 1075
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	51854

cathepsin C / DPP1 (aa238-252) Antibody (internal 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

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

cathepsin C / DPP1 (aa238-252) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

cathepsin C / DPP1 (aa238-252) Antibody (internal 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.

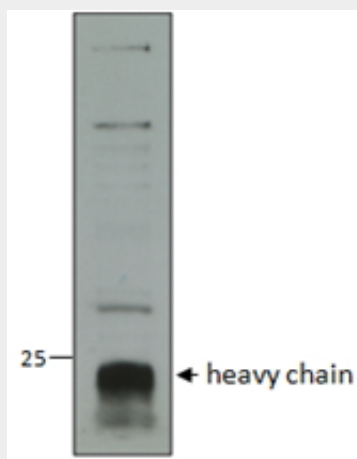
Tissue Location

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

cathepsin C / DPP1 (aa238-252) Antibody (internal 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](#)

cathepsin C / DPP1 (aa238-252) Antibody (internal region) - Images

AF3885a (1 µg/ml) staining of Human Neutrophils lysate (35 µg protein in RIPA buffer). Data obtained from anonymous customer. Primary incubation was 1 hour. Detected by chemiluminescence.

cathepsin C / DPP1 (aa238-252) Antibody (internal region) - Background

This antibody is expected to recognize isoform a (NP_001805.3) only.

cathepsin C / DPP1 (aa238-252) Antibody (internal region) - References

Processing of human protryptase in mast cells involves cathepsins L, B, and C. Le QT, Gomez G, Zhao W, Hu J, Xia HZ, Fukuoka Y, Katunuma N, Schwartz LB. J Immunol. 2011 Aug 15;187(4):1912-8. PMID: 21742978