

Datasheet for ABIN7431587
anti-Cathepsin L antibody (AA 114-288)

6 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	Cathepsin L (CTSL1)
Binding Specificity:	AA 114-288
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cathepsin L antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Cathepsin L (CTSL)
Immunogen:	Recombinant Cathepsin L (CTSL) corresponding to Ile114~Thr288 with N-terminal His Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against CTSL. It has been selected for its ability to recognize CTSL in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

Target:	Cathepsin L (CTSL1)
Alternative Name:	Cathepsin L (CTSL1 Products)
Background:	CTSL1, CATL, CTS-L, MEP, Cathepsin L1, Major excreted protein
Pathways:	Activation of Innate immune Response , Toll-Like Receptors Cascades

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL 1:450-1800 Immunohistochemistry: 5-20 µg/mL 1:45-180 Immunocytochemistry: 5-20 µg/mL 1:45-180 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

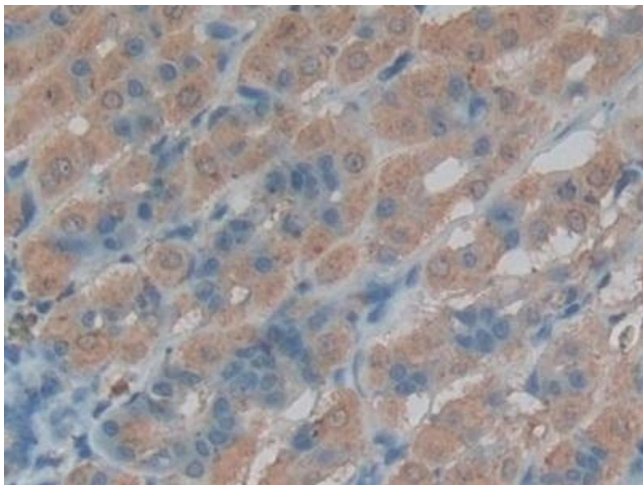
Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

Publications

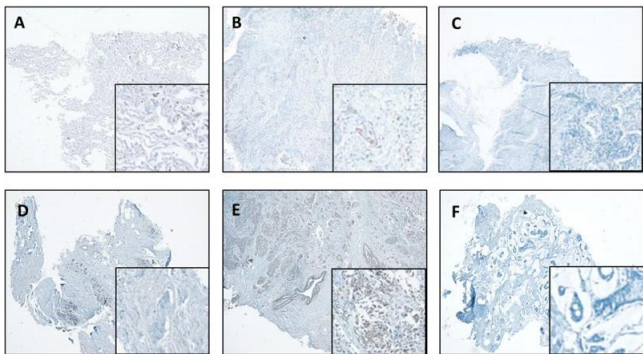
Product cited in:	Zhang, Wei, Li, He, Liu, Deng, Cheng, Du, Liu, Chen, Sun, Yu, Fu: "COVID-19 receptor and malignant cancers: Association of CTSL expression with susceptibility to SARS-CoV-2." in: International journal of biological sciences , Vol. 18, Issue 6, pp. 2362-2371, (2022) (PubMed).
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Images



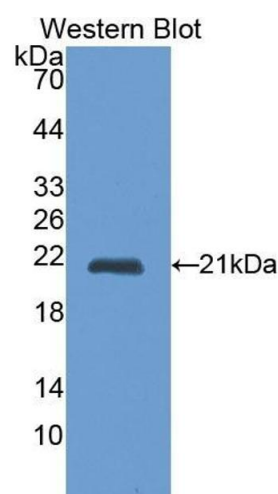
Immunohistochemistry

Image 1. Detection of CTSL in Rat Intestine Tissue using Polyclonal Antibody to Cathepsin L (CTSL)



Immunohistochemistry

Image 2. CTSL expression in normal and tumor tissues of the lung and breast. A. Representative staining for normal lung tissue from a lung cancer patient. B. Representative staining for cancer tissue from a lung cancer patient. C. No antibody control sample for normal lung tissue. D. Representative staining for normal breast tissues in a breast cancer patient. E. Representative staining for cancer tissue from a breast cancer patient. F. No antibody control sample for breast cancer tissue. 40X. Enlarged images are presented in the right corners of A~F, respectively. Note that the expression levels are based on the intensity of the staining and the percentage of positive cells.



Western Blotting

Image 3. Detection of Recombinant CTSL, Rat using Polyclonal Antibody to Cathepsin L (CTSL)

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN7431587.