

## Datasheet for ABIN7431575 **anti-Cathepsin L antibody**

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### Overview

|              |                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                                                    |
| Target:      | Cathepsin L (CTSL1)                                                                                       |
| Reactivity:  | Cow                                                                                                       |
| Host:        | Rabbit                                                                                                    |
| Clonality:   | Polyclonal                                                                                                |
| Conjugate:   | This Cathepsin L antibody is un-conjugated                                                                |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP),<br>Immunocytochemistry (ICC) |

### Product Details

|                   |                                                                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | Polyclonal Antibody to Cathepsin L (CTSL)                                                                                                                                      |
| Immunogen:        | Recombinant Cathepsin L (CTSL) corresponding to 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: | Rat                                                                                                                                                                            |
| Purification:     | Antigen-specific affinity chromatography followed by Protein A affinity chromatography                                                                                         |

### Target Details

|         |                     |
|---------|---------------------|
| Target: | Cathepsin L (CTSL1) |
|---------|---------------------|

## Target Details

|                   |                                                                                                     |
|-------------------|-----------------------------------------------------------------------------------------------------|
| Alternative Name: | CTSL ( <a href="#">CTSL1 Products</a> )                                                             |
| Background:       | CTSL1, CATL, CTS-L, MEP, Cathepsin L1, Major excreted protein                                       |
| Pathways:         | <a href="#">Activation of Innate immune Response</a> , <a href="#">Toll-Like Receptors Cascades</a> |

## Application Details

|                    |                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, 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                                                                                                                                                          |
| Concentration:     | 500 µg/mL                                                                                                                                                       |
| 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                                                                                                                                                       |