

# Product Datasheet

## Cathepsin L/V/K/H Antibody (JM10-78) NBP2-67216

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-67216**

Cathepsin L/V/K/H Antibody (JM10-78)

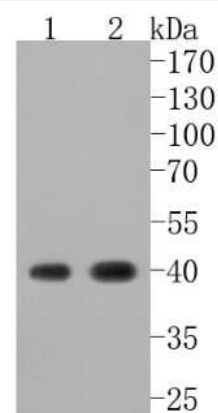
| Product Information |                                                                                        |
|---------------------|----------------------------------------------------------------------------------------|
| Unit Size           | 100 ul                                                                                 |
| Concentration       | 1 mg/ml                                                                                |
| Storage             | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal                                                                             |
| Clone               | JM10-78                                                                                |
| Preservative        | 0.05% Sodium Azide                                                                     |
| Isotype             | IgG                                                                                    |
| Purity              | Protein A purified                                                                     |
| Buffer              | TBS (pH7.4), 0.05% BSA, 40% Glycerol                                                   |

| Product Description |                                                                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description         | Novus Biologicals Rabbit Cathepsin L/V/K/H Antibody (JM10-78) (NBP2-67216) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-Cathepsin L/V/K/H Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                | Rabbit                                                                                                                                                                                                                                                                                      |
| Gene ID             | 1514                                                                                                                                                                                                                                                                                        |
| Gene Symbol         | CTSL                                                                                                                                                                                                                                                                                        |
| Species             | Human, Mouse, Rat                                                                                                                                                                                                                                                                           |
| Immunogen           | Synthetic peptide within Human Cathepsin L/V/K/H aa 92-138 / 333. (SwissProt: P07711 Human; SwissProt: O60911 Human; SwissProt: P43235 Human; SwissProt: P09668 Human)                                                                                                                      |

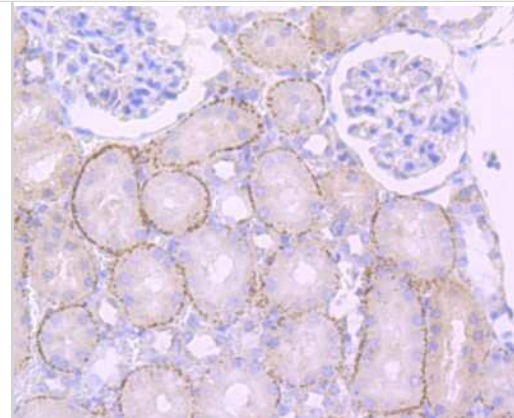
| Product Application Details |                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                               |
| Recommended Dilutions       | Western Blot 1:500-1:2000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:50-1:100, Immunohistochemistry-Paraffin 1:50-1:200 |

**Images**

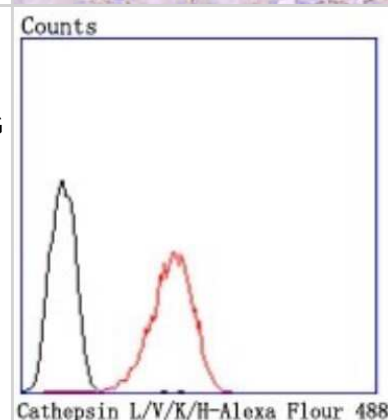
Western Blot: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216] - Western blot analysis of Cathepsin L/V/K/H on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature. Positive control: Lane 1: HepG2 cell lysate Lane 2: A549 cell lysate



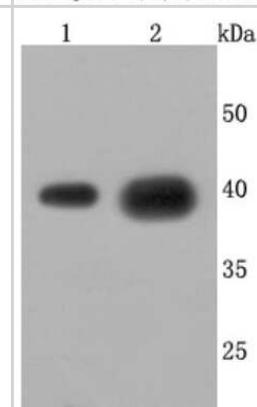
**Immunohistochemistry-Paraffin: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216]** - Analysis of paraffin-embedded rat kidney tissue using anti-Cathepsin L/V/K/H antibody. Counter stained with hematoxylin.



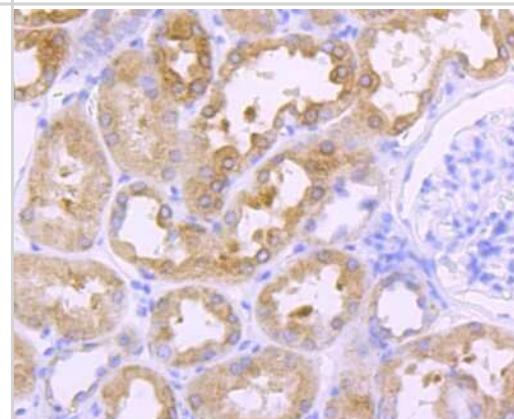
**Flow Cytometry: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216]** - Analysis of HepG2 cells with Cathepsin L/V/K/H antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



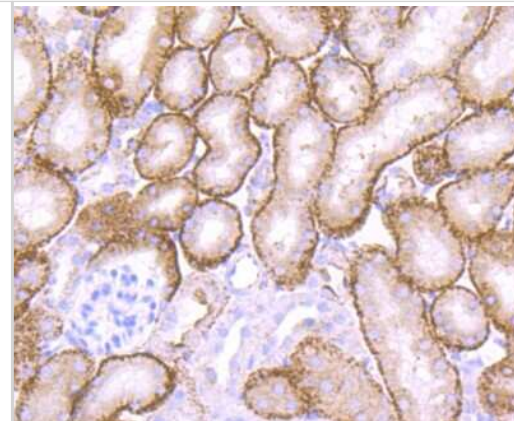
**Western Blot: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216]** - Analysis of Cathepsin L/V/K/H on different cells lysates using anti-Cathepsin L/V/K/H antibody at 1/1,000 dilution. Positive control: Lane 1: HepG2 Lane 2: A549



**Immunohistochemistry-Paraffin: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216]** - Analysis of paraffin-embedded human kidney tissue using anti-Cathepsin L/V/K/H antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: Cathepsin L/V/K/H Antibody (JM10-78) [NBP2-67216] - Analysis of paraffin-embedded mouse kidney tissue using anti-Cathepsin L/V/K/H antibody. Counter stained with hematoxylin.



## Publications

Xie YX, Naseri NN, Fels J et al. Lysosomal exocytosis releases pathogenic alpha-synuclein species from neurons in synucleinopathy models Nature communications 2022-08-22 [PMID: 35995799] (WB, Mouse)



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### **Products Related to NBP2-67216**

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|             |                                                     |
|-------------|-----------------------------------------------------|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP]                 |
| HAF008      | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160      | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891  | Rabbit IgG Isotype Control                          |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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