

## Cathepsin S antibody [HL2302]

**Cat. No. GTX638369**

|                     |                   |
|---------------------|-------------------|
| <b>Host</b>         | Rabbit            |
| <b>Clonality</b>    | Monoclonal        |
| <b>Isotype</b>      | IgG               |
| <b>Applications</b> | WB, ICC/IF, IHC-P |
| <b>Reactivity</b>   | Human, Mouse, Rat |

References ( 1 )

Package

100 µl, 25 µl

## Applications

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

| Suggested dilution | Recommended dilution |
|--------------------|----------------------|
| WB                 | 1:500-1:3000         |
| ICC/IF             | Assay dependent      |
| IHC-P              | Assay dependent      |

Not tested in other applications.

**Observed MW (kDa)** 24 (mature form), 37 (pro-form) kDa.

## Properties

|                      |  |
|----------------------|--|
| <b>Form</b>          | Liquid   |
| <b>Buffer</b>        | PBS  |
| <b>Preservative</b>  | No preservatives   |
| <b>Storage</b>       | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles. |
| <b>Concentration</b> | 1 mg/ml (Please refer to the vial label for the specific concentration.)   |
| <b>Immunogen</b>     | Recombinant fragment of human Cathepsin S.   |
| <b>Purification</b>  | Affinity purified by Protein A.  |
| <b>Conjugation</b>   | Unconjugated   |

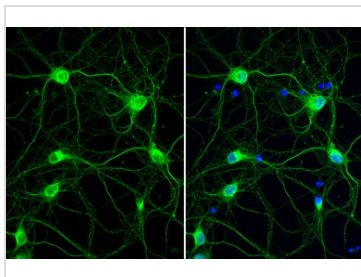
**Note**

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

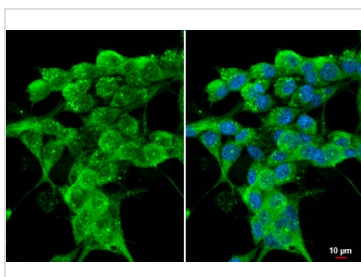
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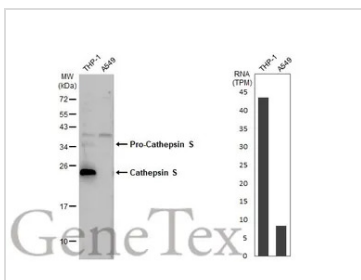
## DATA IMAGES

**GTX638369 ICC/IF Image**

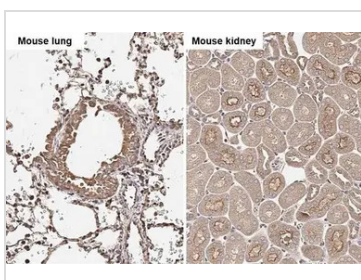
Cathepsin S antibody [HL2302] detects Cathepsin S protein at fiber by immunofluorescent analysis.  
 Sample: DIV9 rat E18 primary cortical neuron cells were fixed in 4% paraformaldehyde at RT for 15 min.  
 Green: Cathepsin S stained by Cathepsin S antibody [HL2302] (GTX638369) diluted at 1:250.  
 Blue: Fluoroshield with DAPI (GTX30920).

**GTX638369 ICC/IF Image**

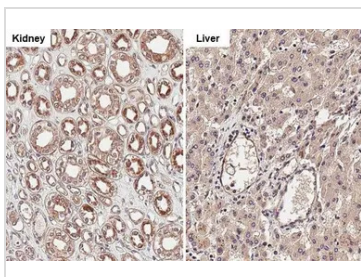
Cathepsin S antibody [HL2302] detects Cathepsin S protein at cytoplasmic vesicle by immunofluorescent analysis.  
 Sample: U87-MG cells were fixed in ice-cold MeOH for 5 min.  
 Green: Cathepsin S stained by Cathepsin S antibody [HL2302] (GTX638369) diluted at 1:500.  
 Blue: Fluoroshield with DAPI (GTX30920).

**GTX638369 WB Image**

Various whole cell extracts (30 μg) were separated by 12% SDS-PAGE, and the membrane was blotted with Cathepsin S antibody [HL2302] (GTX638369) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody. Corresponding RNA expression data for the same cell lines are based on Human Protein Atlas program.

**GTX638369 IHC-P Image**

Cathepsin S antibody [HL2302] detects Cathepsin S protein by immunohistochemical analysis.  
 Sample: Paraffin-embedded mouse tissues.  
 Cathepsin S stained by Cathepsin S antibody [HL2302] (GTX638369) diluted at 1:100.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min

**GTX638369 IHC-P Image**

Cathepsin S antibody [HL2302] detects Cathepsin S protein at cytoplasm by immunohistochemical analysis.  
 Sample: Paraffin-embedded human tissue.  
 Cathepsin S stained by Cathepsin S antibody [HL2302] (GTX638369) diluted at 1:100.  
 Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



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