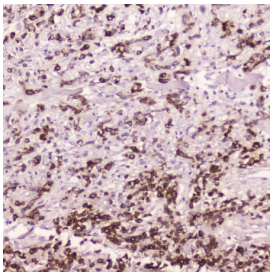
# Cathepsin E Antibody / CTSE (RQ4472)

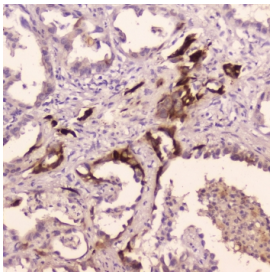
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ4472 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

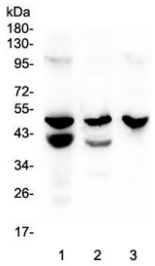
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide |
| **UniProt** | P14091 |
| **Localization** | Cytoplasmic, membranous |
| **Applications** | Western blot: 0.5-1ug/ml<br>Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This Cathepsin E antibody is available for research use only. |



IHC testing of FFPE human gastric cancer with Cathepsin E antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



IHC testing of FFPE human lung cancer with Cathepsin E antibody at 2ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.




Western blot testing of 1) rat stomach, 2) mouse stomach and 3) mouse SP2/0 lysate with Cathepsin E antibody at 0.5ug/ml. Predicted molecular weight ~43 kDa.

## Description

Cathepsin E is an enzyme that in humans is encoded by the CTSE gene. This gene encodes a member of the A1 family of peptidases. Alternative splicing of this gene results in multiple transcript variants. At least one of these variants encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme, an aspartic endopeptidase, may be involved in antigen processing and the maturation of secretory proteins. Elevated expression of this gene has been observed in neurodegeneration.

## Application Notes

Optimal dilution of the Cathepsin E antibody should be determined by the researcher.

## Immunogen

Human Cathepsin E recombinant protein (amino acids A150-R393) was used as the immunogen for the Cathepsin E antibody.

## Storage

After reconstitution, the Cathepsin E antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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