

## Anti-Cathepsin S CTSS Monoclonal Antibody

Catalog Number: M02514

### About CTSS

F-actin cross-linking protein which is thought to anchor actin to a variety of intracellular structures. This is a bundling protein. Probably involved in vesicular trafficking via its association with the CART complex. The CART complex is necessary for efficient transferrin receptor recycling but not for EGFR degradation.

### Overview

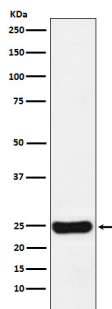
|                      |                                                                                                                                                 |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-Cathepsin S CTSS Monoclonal Antibody                                                                                                       |
| Reactive Species     | Human                                                                                                                                           |
| Description          | Boster Bio Anti-Cathepsin S CTSS Monoclonal Antibody catalog # M02514. Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human. |
| Application          | IF, IHC, ICC, WB                                                                                                                                |
| Clonality            | Monoclonal AFAA-3                                                                                                                               |
| Formulation          | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                             |
| Storage Instructions | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.      |
| Host                 | Rabbit                                                                                                                                          |
| Uniprot ID           | P25774                                                                                                                                          |

### Technical Details

|                     |                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen           | A synthesized peptide derived from human Cathepsin S                                                                                                                                                                                                                                                                                                                                                        |
| Isotype             | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                      |
| Concentration       | Actual concentration vary by lot. Use suggested dilution ratio to decide dilution procedure.                                                                                                                                                                                                                                                                                                                |
| Purification        | Affinity-chromatography                                                                                                                                                                                                                                                                                                                                                                                     |
| Suggested Dilutions | <p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> |

|  |                                                        |
|--|--------------------------------------------------------|
|  | WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200 |
|--|--------------------------------------------------------|

## Anti-Cathepsin S CTSS Monoclonal Antibody (M02514) Images



Western blot analysis of Cathepsin S expression in U87-MG cell lysate.

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