

## Anti-CTSG antibody (75-190) (STJ115138)

### GENERAL INFORMATION

|               |                    |
|---------------|--------------------|
| Product Type  | Primary antibodies |
| Applications  | WB/IHC-P/ELISA     |
| Host / Source | Rabbit             |
| Reactivity    | Human/Mouse/Rat    |

### PRODUCT PROPERTIES

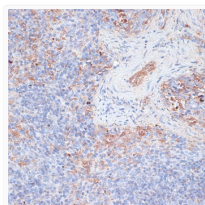
|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                               |
| Concentration       | Lot specific                                                                                                                                                             |
| Conjugation         | Unconjugated                                                                                                                                                             |
| Purification        | Affinity purification                                                                                                                                                    |
| Dilution Range      | WB:1:500-1:2000<br>IHC-P:1:50-1:100<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.                                                                                                                         |
| Isotype             | IgG                                                                                                                                                                      |
| Molecular Weight    | Protein Mw: 29kDa<br>Observed Mw: 29kDa                                                                                                                                  |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                           |

### TARGET INFORMATION

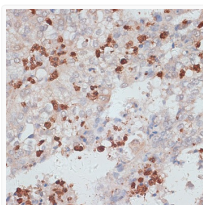
|                    |                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">1511</a>                                                                                                         |
| Gene Symbol        | <a href="#">CTSG</a>                                                                                                         |
| UniProt ID         | <a href="#">CATG_HUMAN</a>                                                                                                   |
| Immunogen Region   | 75-190                                                                                                                       |
| Immunogen Sequence | GAHNIQRRENTQQHITARRA IRHPQYNQRTIQNDIMLLQL SRRVRRNRNVNPVALPRAQE<br>GLRPGTLCTVAGWGRVSMRR GTDTLREVQLRVQRDRQCLR IFGSYDPRRQICVGDR |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 75-190 of human Cathepsin G (NP_001902.1).     |

### ADDITIONAL INFORMATION

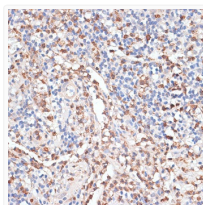
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



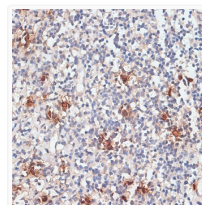
Immunohistochemistry analysis of Cathepsin G in paraffin-embedded mouse spleen using Cathepsin G Rabbit polyclonal antibody (STJ115138) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



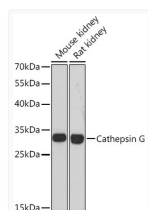
Immunohistochemistry analysis of Cathepsin G in paraffin-embedded human uterine cancer using Cathepsin G Rabbit polyclonal antibody (STJ115138) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Cathepsin G in paraffin-embedded human appendix using Cathepsin G Rabbit polyclonal antibody (STJ115138) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Cathepsin G in paraffin-embedded human tonsil using Cathepsin G Rabbit polyclonal antibody (STJ115138) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using Cathepsin G Rabbit polyclonal antibody (STJ115138) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.