

## Anti-CTSD antibody (21-249) (STJ115256)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

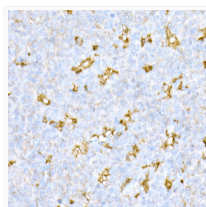
|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                               |
| Concentration       | Lot specific                                                                                                                                                             |
| Conjugation         | Unconjugated                                                                                                                                                             |
| Purification        | Affinity purification                                                                                                                                                    |
| Dilution Range      | WB:1:500-1:1000<br>IHC-P:1:50-1:200<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.                                                                                                                       |
| Isotype             | IgG                                                                                                                                                                      |
| Molecular Weight    | Protein Mw: 45kDa<br>Observed Mw: 46kDa                                                                                                                                  |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                           |

### TARGET INFORMATION

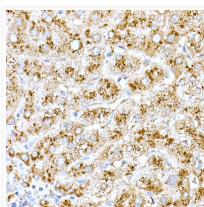
|                    |                                                                                                                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">1509</a>                                                                                                                                                                                                                                    |
| Gene Symbol        | <a href="#">CTSD</a>                                                                                                                                                                                                                                    |
| UniProt ID         | <a href="#">CATD_HUMAN</a>                                                                                                                                                                                                                              |
| Immunogen Region   | 21-249                                                                                                                                                                                                                                                  |
| Immunogen Sequence | LVRIPLHKFTSIRRTMSEVG GSVEDLIAKGPVSKYSQAVP AVTEGPIPEVLKNYMDAQYY<br>GEIGIGTPPQCFTVVFDTGSLNLWVPSIHCKLLDIACWIH HKYNSDKSSTYVKNGTSFDI<br>HYGSGSLSGYLSQDTVSVPC QSASSASALGGVKVERQVFG EATKQPGITFIAAKFDGILG<br>MAYPRISVNNVLPVFDNLMQ QKLVQNIIFSFLSRDPDAQ PGGELMLGG |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 21-249 of human Cathepsin D (NP_001900.1).                                                                                                                                |

### ADDITIONAL INFORMATION

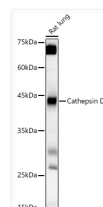
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



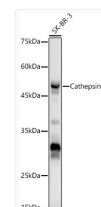
Immunohistochemistry analysis of paraffin-embedded human tonsil using Cathepsin D Rabbit polyclonal antibody (STJ115256) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded human liver using Cathepsin D Rabbit polyclonal antibody (STJ115256) at dilution of 1:20 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of Rat lung, using CathepsinD antibody (STJ115256) at 1:500 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: 30s.



Western blot analysis of SK-BR-3, using CathepsinD antibody (STJ115256) at 1:500 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: 10s.