

## Anti-TYMS antibody (220-313) (STJ11104456)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

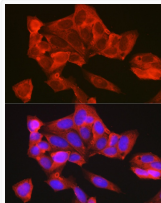
|                     |   |
|---------------------|---|
| Clonality           | Polyclonal  |
| Concentration       | Lot specific  |
| Conjugation         | Unconjugated  |
| Purification        | Affinity purification   |
| Dilution Range      | WB:1:500-1:1000<br>IHC-P:1:50-1:200<br>IF/ICC:1:50-1:200<br>ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.01% Thimerosal, 50% Glycerol, pH 7.3.  |
| Isotype             | IgG   |
| Molecular Weight    | Protein Mw: 36kDa<br>Observed Mw: 36kDa   |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.  |

### TARGET INFORMATION

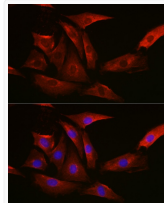
|                    |  |
|--------------------|--|
| Gene ID            | <a href="#">7298</a>   |
| Gene Symbol        | <a href="#">TYMS</a>   |
| UniProt ID         | <a href="#">TYSY_HUMAN</a>   |
| Immunogen Region   | 220-313  |
| Immunogen Sequence | GLGVPFNIASYALLTYMIAH ITGLKPGDFIHTLGDAAHIYL NHIEPLKIQLOREPRPFKLRILRKVEKIDDFKAEDFQIE GYNPHPTIKMEMAV                  |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 220-313 of human TYSY (NP_001062.1). |

### ADDITIONAL INFORMATION

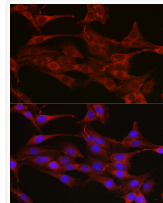
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



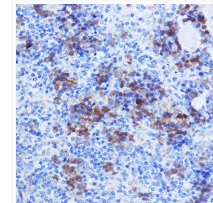
Immunofluorescence analysis of U-2 OS cells using TYMS Rabbit polyclonal antibody (STJ11104456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



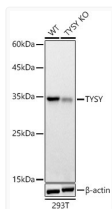
Immunofluorescence analysis of NIH-3T3 cells using TYMS Rabbit polyclonal antibody (STJ11104456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of C6 cells using TYMS Rabbit polyclonal antibody (STJ11104456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of TYMS in paraffin-embedded mouse spleen using TYMS Rabbit polyclonal antibody (STJ11104456) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from wild type (WT) and TYMS knockout (KO) 293T cells, using [KO Validated] TYMS Rabbit polyclonal antibody (STJ11104456) at 1:1000 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.