

## Anti-MMP7 antibody (89-103) (STJ24590)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

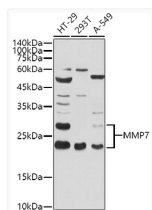
|                     |                                                                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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:1:100-1:500<br>ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. |
| Formulation         | PBS with 0.02% Sodium Azide, 50% Glycerol, pH 7.3.                                                                                                                                                  |
| Isotype             | IgG                                                                                                                                                                                                 |
| Molecular Weight    | Protein Mw: 30kDa<br>Observed Mw: 20-22kDa/28kDa                                                                                                                                                    |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                                      |

### TARGET INFORMATION

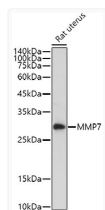
|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">4316</a>                                                                                                                                                |
| Gene Symbol        | <a href="#">MMP7</a>                                                                                                                                                |
| UniProt ID         | <a href="#">MMP7_HUMAN</a>                                                                                                                                          |
| Immunogen Region   | 89-103                                                                                                                                                              |
| Immunogen Sequence | KNANSLEAKLKEMQKFFGLP ITGMLNSRVIEIMQKPRCGV PDVAEYSLFPNSPKWTSKVV<br>TYRIVSYTRDLPHITVDRLV SKALNMWVGKEIPLHFRKVVV GTADIMIGFARGAHGDSYFP<br>DGPGNLAHAFAPGTGLGGD AHFDEDERWT |
| Specificity        | A synthetic peptide corresponding to a sequence within amino acids 50-150 of human MMP7 (NP_002414.1).                                                              |

### ADDITIONAL INFORMATION

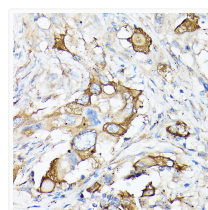
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



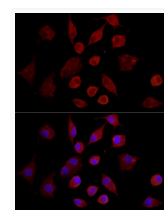
Western blot analysis of extracts of various cell lines, using MMP7 antibody (STJ24590) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



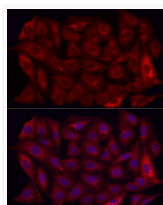
Western blot analysis of extracts of Rat uterus, using MMP7 antibody (STJ24590) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25  $\mu$ g per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using MMP7 rabbit polyclonal antibody (STJ24590) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunofluorescence analysis of A-549 cells using MMP7 rabbit polyclonal antibody (STJ24590) at dilution of 1:300 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using MMP7 rabbit polyclonal antibody (STJ24590) at dilution of 1:300 (40x lens). Blue: DAPI for nuclear staining.