

## Anti-BMP7 antibody (70-251) (STJ117995)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

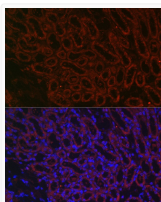
|                     |                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 Mu g/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: 49kDa<br>Observed Mw: 49kDa                                                                                                                                    |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                             |

### TARGET INFORMATION

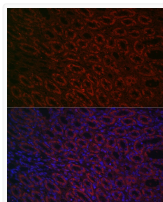
|                    |                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">655</a>                                                                                                                                                                                   |
| Gene Symbol        | <a href="#">BMP7</a>                                                                                                                                                                                  |
| UniProt ID         | <a href="#">BMP7_HUMAN</a>                                                                                                                                                                            |
| Immunogen Region   | 70-251                                                                                                                                                                                                |
| Immunogen Sequence | PHLOGKHNSAPMFMLDLYNA MAVEEGGGPGGQGFSPYKA VFSTQGPPPLASLDQSHFLTD<br>ADMVMSFVNLVEHDKFEFFHP RYHHREFRFDLSKIPEGEAV TAAEFRIYKDYIRERFDNET<br>FRISVYQVLQEHLGRESDLF LLDSRTLWASEEGWLVDIT ATSNHWVVNPRHNLGLQLSV ET |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 70-251 of BMP7 (NP_001710.1).                                                                                           |

### ADDITIONAL INFORMATION

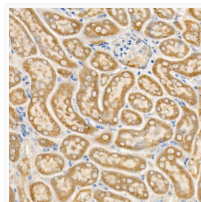
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



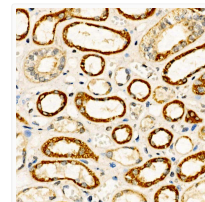
Immunofluorescence analysis of paraffin-embedded mouse kidney using BMP7 Rabbit polyclonal antibody (STJ117995) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



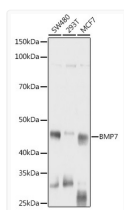
Immunofluorescence analysis of paraffin-embedded rat kidney using BMP7 Rabbit polyclonal antibody (STJ117995) at dilution of 1:100 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of BMP7 in paraffin-embedded mouse kidney using BMP7 Rabbit polyclonal antibody (STJ117995) at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6. 0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of BMP7 in paraffin-embedded human kidney using BMP7 Rabbit polyclonal antibody (STJ117995) at dilution of 1:50 (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 various lysates using BMP7 Rabbit polyclonal antibody (STJ117995) 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% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.