

## Anti-SOX2 antibody (1-100) [S5MR] (STJ11101655)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

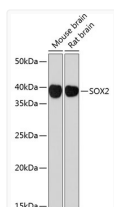
|                     |                                                                                                                                                                                 |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Monoclonal                                                                                                                                                                      |
| Concentration       | Lot specific                                                                                                                                                                    |
| Conjugation         | Unconjugated                                                                                                                                                                    |
| Purification        | Affinity purification                                                                                                                                                           |
| Dilution Range      | WB:1:1000-1:2000<br>IF/CC:1:100-1:800<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, 0.05% BSA, 50% Glycerol, pH 7.3.                                                                                                                   |
| Isotype             | IgG                                                                                                                                                                             |
| Molecular Weight    | Protein Mw: 34kDa<br>Observed Mw: 38kDa                                                                                                                                         |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                                  |

### TARGET INFORMATION

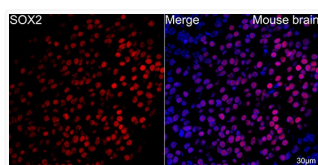
|                    |                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">6657</a>                                                                                        |
| Gene Symbol        | <a href="#">SOX2</a>                                                                                        |
| UniProt ID         | <a href="#">SOX2_HUMAN</a>                                                                                  |
| Immunogen Region   | 1-100                                                                                                       |
| Immunogen Sequence | MYNMMETELKPPGPQQTSGG GGGNSTAAAAGGNQKNSPDR VKRPMNAFMVWSRGQRRKMA<br>QENPKMHNSEISKRLGAEWK LLSETEKRPFIDEAKRLRAL |
| Specificity        | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human SOX2 (NP_003097.1).       |

### 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 SOX2 antibody (STJ11101655) 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: 90s.



Confocal imaging of mouse brain (frozen section) using SOX2 rabbit monoclonal antibody (STJ11101655, at dilution of 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 40x. Perform microwave antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.