

## Anti-PROX1 antibody (1-100) [S3MR] (STJ11102413)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

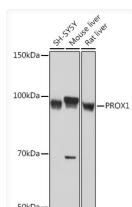
|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Monoclonal                                                                                                                                                               |
| 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 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.                                                                                                            |
| Isotype             | IgG                                                                                                                                                                      |
| Molecular Weight    | Protein Mw: 83kDa<br>Observed Mw: 90kDa                                                                                                                                  |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                           |

### TARGET INFORMATION

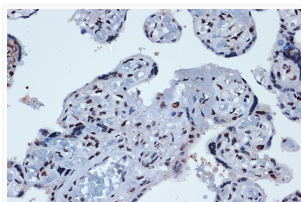
|                    |                                                                                                            |
|--------------------|------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">5629</a>                                                                                       |
| Gene Symbol        | <a href="#">PROX1</a>                                                                                      |
| UniProt ID         | <a href="#">PROX1_HUMAN</a>                                                                                |
| Immunogen Region   | 1-100                                                                                                      |
| Immunogen Sequence | MPDHDSTALLSRQTKRRRVD IGKRTVGTASAFFAKARAT FFSAMNPQGSEQDVEYSVVQ<br>HADGEKSNVLRKLLKRANSY EDAMMPFPGATIISQLLKNN |
| Specificity        | A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PROX1 (Q92786).          |

### 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 various lysates using PROX1 Rabbit mAb (STJ11102413) at 1:1000 dilution.  
Secondary antibody: HRP-conjugated 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: 1min.



Immunohistochemistry analysis of paraffin-embedded Human placenta using PROX1 Rabbit mAb (STJ11102413) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to immunohistochemistry staining.