

**Anti-PROM1 antibody (179-433) (STJ25156)**  
STJ25156

**GENERAL INFORMATION**

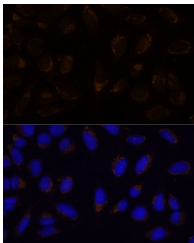
|                          |                    |
|--------------------------|--------------------|
| <b>Product Type</b>      | Primary antibodies |
| <b>Short Description</b> |                    |
| <b>Applications</b>      | WB/IF/ICC/ELISA    |
| <b>Host/Source</b>       | Rabbit             |
| <b>Reactivity</b>        | Human/Mouse/Rat    |

**PRODUCT PROPERTIES**

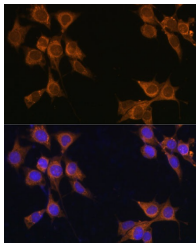
|                            |                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------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

**TARGET INFORMATION**

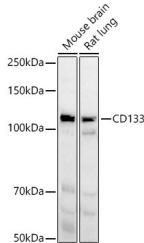
|                           |                                                                                                                                                                                                                                                                  |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 8842                                                                                                                                                                                                                                                             |
| <b>Gene Symbol</b>        | PROM1                                                                                                                                                                                                                                                            |
| <b>Uniprot ID</b>         | PROM1_HUMAN                                                                                                                                                                                                                                                      |
| <b>Immunogen</b>          |                                                                                                                                                                                                                                                                  |
| <b>Immunogen Region</b>   | 179-433                                                                                                                                                                                                                                                          |
| <b>Specificity</b>        | A synthetic peptide corresponding to a sequence within amino acids 179-433 of human CD133 (NP_006008.1).                                                                                                                                                         |
| <b>Immunogen Sequence</b> | ANHQVTRTRIKRSRKLADSNF KDLRTLLNETPEQIKYILAQ YNTTKDKAFTDLNSINSVLG GGILDRLRPNIIPLVLEIKS<br>MATAIKETKEALENMNSTLK SLHQQSTQLSSSLTSVKTSL RSSLNDPLCLVHPSSSETCNS IRLSLSQLNSNPQLRQLPPV<br>DAELDNVNVNLRDLDGLVQ QGYQSLNDIPDRVQRQTTV VAGIKRVLNSIGSDIDNVTV RLPIQDILSAFSVYVNNTE |



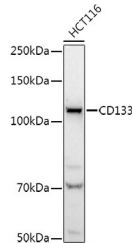
Immunofluorescence analysis of U-2 OS cells using CD133 Rabbit polyclonal antibody (STJ25156) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using CD133 Rabbit polyclonal antibody (STJ25156) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using CD133 Rabbit polyclonal antibody (STJ25156) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.



Western blot analysis of lysates from HCT116 cells using CD133 Rabbit polyclonal antibody (STJ25156) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

This product is suitable for in-vitro studies under the RESEARCH USE ONLY [RUO] licence. This product must not be used as for diagnostic or other medical purposes.  
St John's Laboratory Ltd, Knowledge Dock Business Centre, University Way, London, E16 2RD | Tel: 0208 223 3081