

**Anti-MRPL21 antibody (40-140) (STJ11105472)**  
STJ11105472

**GENERAL INFORMATION**

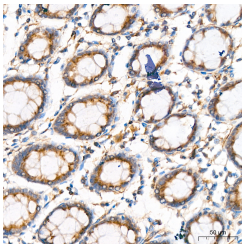
|                          |                    |
|--------------------------|--------------------|
| <b>Product Type</b>      | Primary antibodies |
| <b>Short Description</b> |                    |
| <b>Applications</b>      | WB/IHC-P/ELISA     |
| <b>Host/Source</b>       | Rabbit             |
| <b>Reactivity</b>        | Human              |

**PRODUCT PROPERTIES**

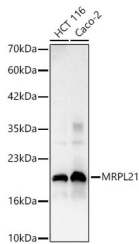
|                       |                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>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. |
| <b>Formulation</b>    | PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.                                                                                                                           |
| <b>Isotype</b>        | IgG                                                                                                                                                                        |
| <b>Storage</b>        | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                             |
| <b>Instruction</b>    |                                                                                                                                                                            |

**TARGET INFORMATION**

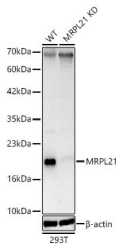
|                           |                                                                                                          |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 219927                                                                                                   |
| <b>Gene Symbol</b>        | MRPL21                                                                                                   |
| <b>Uniprot ID</b>         | RM21_HUMAN                                                                                               |
| <b>Immunogen</b>          |                                                                                                          |
| <b>Immunogen Region</b>   | 40-140                                                                                                   |
| <b>Specificity</b>        | A synthetic peptide corresponding to a sequence within amino acids 40-140 of human MRPL21 (NP_852615.1). |
| <b>Immunogen Sequence</b> | NSQSTSYPGVPKTSLSSP PWPEVLPDPVEETRHAEV VKKVNMIVTGQYGRFAVV HFASRQWKVTSDDLILIGNE<br>LDLACGERIRLEKVVLLVGAD N |



Immunohistochemistry analysis of MRPL21 in paraffin-embedded human colon tissue using MRPL21 Rabbit polyclonal antibody (STJ11105472) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to immunohistochemistry staining.



Western blot analysis of various lysates using MRPL21 Rabbit polyclonal antibody (STJ11105472) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) 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: 90s.



Western blot analysis of lysates from wild type (WT) and MRPL21 knockdown (KD) 293T cells using MRPL21 Rabbit polyclonal antibody (STJ11105472) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ5000856) 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: 90s.

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.  
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