

## Anti-PIEZO1 antibody (2230-2420) (STJ26627)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

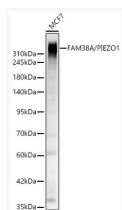
|                     |                                                                                                                                                                           |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                                |
| Concentration       | Lot specific                                                                                                                                                              |
| Conjugation         | Unconjugated                                                                                                                                                              |
| Purification        | Affinity purification                                                                                                                                                     |
| Dilution Range      | WB:1:500-1:1000<br>IF/ICC: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 0.05% Proclin300, 50% Glycerol, pH7.3.                                                                                                                           |
| Isotype             | IgG                                                                                                                                                                       |
| Molecular Weight    | Protein Mw: 287kDa<br>Observed Mw: 286kDa                                                                                                                                 |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                            |

### TARGET INFORMATION

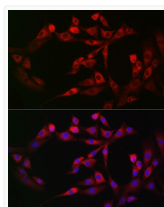
|                    |                                                                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">9780</a>                                                                                                                                                                                           |
| Gene Symbol        | <a href="#">PIEZO1</a>                                                                                                                                                                                         |
| UniProt ID         | <a href="#">PIEZ1_HUMAN</a>                                                                                                                                                                                    |
| Immunogen Region   | 2230-2420                                                                                                                                                                                                      |
| Immunogen Sequence | PSIIPFTAAQAYEELSRQFDP QPLAMQFISQYSPEDIVTAQ IEGSSGALWRISPPSRAQMK<br>RELYNGTADITLRFTWNFQR DLAKGGTVEYANEKHMALA PNSTARRQLASLLEGTSDQS<br>VVIPNLFPKYIRAPNGPEAN PVKQLQPNEEADYLGVRIQL RREQGAGATGFLEWWVIELQ ECRTDCNLLPM |
| Specificity        | Recombinant fusion protein containing a sequence corresponding to amino acids 2230-2420 of human FAM38A/PIEZO1 (NP_001136336.2).                                                                               |

### ADDITIONAL INFORMATION

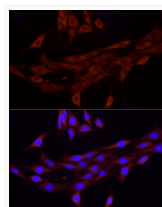
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



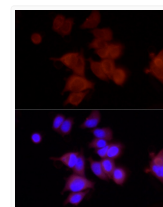
Western blot analysis of MCF7, using FAM38A/PIEZO1 rabbit polyclonal antibody (STJ26627) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 45s.



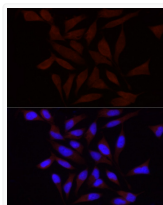
Immunofluorescence analysis of NIH-3T3 cells using FAM38A/PIEZO1 rabbit polyclonal antibody (STJ26627) at dilution of 1:200 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 using FAM38A/PIEZO1 antibody (STJ26627) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of MCF-7 using FAM38A/PIEZO1 antibody (STJ26627) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa using FAM38A/PIEZO1 antibody (STJ26627) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.