

## Anti-MFN2 antibody (70-260) (STJ114644)

### GENERAL INFORMATION

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

### PRODUCT PROPERTIES

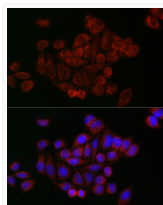
|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality           | Polyclonal                                                                                                                                                               |
| Concentration       | Lot specific                                                                                                                                                             |
| Conjugation         | Unconjugated                                                                                                                                                             |
| Purification        | Affinity purification                                                                                                                                                    |
| Dilution Range      | WB:1:500-1:1000<br>IF/CC: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 0.09% Sodium Azide, 50% Glycerol, pH7.3.                                                                                                                        |
| Isotype             | IgG                                                                                                                                                                      |
| Molecular Weight    | Protein Mw: 86kDa<br>Observed Mw: 80kDa                                                                                                                                  |
| Storage Instruction | Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.                                                                           |

### TARGET INFORMATION

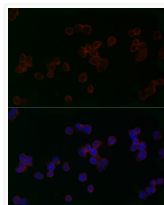
|                    |                                                                                                                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | <a href="#">9927</a>                                                                                                                                                                                         |
| Gene Symbol        | <a href="#">MFN2</a>                                                                                                                                                                                         |
| UniProt ID         | <a href="#">MFN2_HUMAN</a>                                                                                                                                                                                   |
| Immunogen Region   | 70-260                                                                                                                                                                                                       |
| Immunogen Sequence | TTEEQVLVDVKGYSKVRGIS EVLARRHMKVAFFGRTSNGK STVINAMLWDKVLPSGIGHT<br>TNCFLRVEGTDGHEAFLTE GSEEKRSKATVNQLAHLHQ DKQLHAGSLVSMWPNSKCP<br>LLKDDLVLMDSPGIDVTTEL DSWIDKFCLDADVFVLVANS ESTLMQTEKHFFHKVSRERLS RPNIFILNNRW |
| Specificity        | A synthetic peptide corresponding to a sequence within amino acids 70-260 of human Mitofusin 2 (NP_055689.1).                                                                                                |

### ADDITIONAL INFORMATION

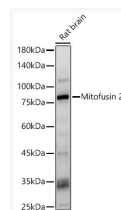
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



Immunofluorescence analysis of HeLa cells using Mitofusin 2 Rabbit polyclonal antibody (STJ114644) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of 293T cells using Mitofusin 2 Rabbit polyclonal antibody (STJ114644) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of Rat brain, using Mitofusin 2 antibody (STJ114644) at 1:400 dilution. Secondary antibody: HRP 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: 30s.