

## Anti-MYH7 antibody (1728-1744) (STJ29702)

STJ29702

### GENERAL INFORMATION

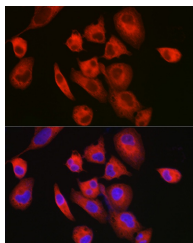
|                          |                    |
|--------------------------|--------------------|
| <b>Product Type</b>      | Primary antibodies |
| <b>Short Description</b> |                    |
| <b>Applications</b>      | WB/IF/ICC/ELISA    |
| <b>Host/Source</b>       | Rabbit             |
|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

### PRODUCT PROPERTIES

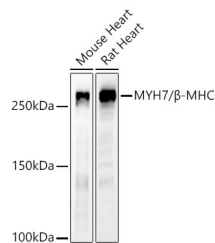
|                            |                                                                                                                                        |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Clonality</b>           | Polyclonal                                                                                                                             |
| <b>Clone ID</b>            |                                                                                                                                        |
| <b>Concentration</b>       | Lot specific                                                                                                                           |
| <b>Conjugation</b>         | Unconjugated                                                                                                                           |
| <b>Purification</b>        | Affinity purification                                                                                                                  |
| <b>Dilution</b>            | WB:1:100-1:500                                                                                                                         |
| <b>Range</b>               | IF/CC:1:50-1:200                                                                                                                       |
|                            | ELISA:Recommended starting concentration is 1 $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements. |
| <b>Formulation</b>         | PBS with 0.09% Sodium Azide, 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>            | 4625                                                                                                                                                                                                                                                          |
| <b>Gene Symbol</b>        | MYH7                                                                                                                                                                                                                                                          |
| <b>Uniprot ID</b>         | MYH7_HUMAN                                                                                                                                                                                                                                                    |
| <b>Immunogen</b>          |                                                                                                                                                                                                                                                               |
| <b>Immunogen Region</b>   | 1728-1744                                                                                                                                                                                                                                                     |
| <b>Specificity</b>        | A synthetic peptide corresponding to a sequence within amino acids 1700-1800 of human MYH7/Beta-MHC (NP_000248.2).                                                                                                                                            |
| <b>Immunogen Sequence</b> | KLAEQELIETSERVQLLSHQ NTSLINQKKKMDADLSQLQT EEEAVQECRNAAEKAKKAI TDAAMMAEELKKEQD TSAHL<br>ERMKKNMEQTIKDLQHRLE AEQIALKGGKKQLQKLEARV RELENELEAEQKRNAESVKG MRKSERRIKELTYQTEEDRK<br>NLLRLQDLVDKLQKV KAYK RQAEAEAEQANTNLSKFRKV QHELDEAEERADIAESQV NK LRAKSRDITGKGLNEE |



Immunofluorescence analysis of RD cells using MYH7/Beta-MHC Rabbit polyclonal antibody (STJ29702) at dilution of 1:100 (40x lens). 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 MYH7/Beta-MHC Rabbit polyclonal antibody (STJ29702) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJ500856) 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: 180s.

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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