



# TPM2 Antibody, Biotin conjugated

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| <b>Product Code</b>        | CSB-PA13387D0Rb                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Uniprot No.</b>         | P07951                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Immunogen</b>           | Recombinant Human Tropomyosin beta chain protein (14-284AA)                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Raised In</b>           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Tested Applications</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Relevance</b>           | Binds to actin filaments in muscle and non-muscle cells. Plays a central role, in association with the troponin complex, in the calcium dependent regulation of vertebrate striated muscle contraction. Smooth muscle contraction is regulated by interaction with caldesmon. In non-muscle cells is implicated in stabilizing cytoskeleton actin filaments. The non-muscle isoform may have a role in agonist-mediated receptor internalization |
| <b>Conjugate</b>           | Biotin                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification Method</b> | >95%, Protein G purified                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Isotype</b>             | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Clonality</b>           | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Alias</b>               | Tropomyosin beta chain (Beta-tropomyosin) (Tropomyosin-2), TPM2, TMSB                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Research Area</b>       | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Target Names</b>        | TPM2                                                                                                                                                                                                                                                                                                                                                                                                                                             |