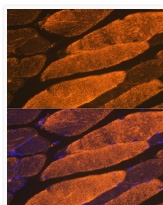
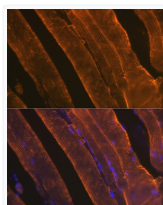


## Anti-ACTA1 antibody (250-350) [S5MR] (STJ11101805)

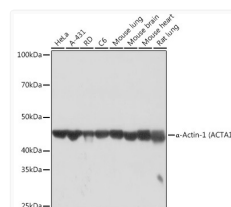
| GENERAL INFORMATION    |                     |                                                                                                                                                                             |
|------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | Product Type        | Primary antibodies                                                                                                                                                          |
|                        | Applications        | WB/IF/ICC/ELISA                                                                                                                                                             |
|                        | Host / Source       | Rabbit                                                                                                                                                                      |
|                        | Reactivity          | Human/Mouse/Rat                                                                                                                                                             |
| PRODUCT PROPERTIES     |                     |                                                                                                                                                                             |
|                        | Clonality           | Monoclonal                                                                                                                                                                  |
|                        | 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 Mu g/mL. Please optimize the concentration based on your specific assay requirements. |
|                        | Formulation         | PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.                                                                                                               |
|                        | Isotype             | IgG                                                                                                                                                                         |
|                        | Molecular Weight    | Protein Mw: 42kDa<br>Observed Mw: 42kDa                                                                                                                                     |
|                        | 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="#">58</a>                                                                                                                                                          |
|                        | Gene Symbol         | <a href="#">ACTA1</a>                                                                                                                                                       |
|                        | UniProt ID          | <a href="#">ACTS_HUMAN</a>                                                                                                                                                  |
|                        | Immunogen Region    | 250-350                                                                                                                                                                     |
|                        | Immunogen Sequence  | ITIGNERFRCPETLFQPSFI GMESAGIHETTYNSIMKCDI DIRKDLYANNVMSGGTTMYP<br>GIADRMQKEITALAPSTMKI KIIAPPERKYSVWIGGSILA S                                                               |
|                        | Specificity         | A synthetic peptide corresponding to a sequence within amino acids 250-350 of human Alpha-Actin-1 (ACTA1) (P68133).                                                         |
| ADDITIONAL INFORMATION |                     |                                                                                                                                                                             |
|                        | Note                | STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.                                                     |



Immunofluorescence analysis of paraffin-embedded mouse skeletal muscle using Alpha-Actin-1 (ACTA1) Rabbit monoclonal antibody (STJ11101805) 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.



Immunofluorescence analysis of paraffin-embedded rat skeletal muscle using Alpha-Actin-1 (ACTA1) Rabbit monoclonal antibody (STJ11101805) 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 Alpha-Actin-1 (ACTA1) Rabbit monoclonal antibody (STJ11101805) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) 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: 10s.