



Mouse monoclonal antibody to skeletal muscle alpha actinin [SA-20]: IgG

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| Catalogue No.: | M-994-100 |
| Description: | Actinin is a F-actin cross linking protein and is thought to anchor actin to a variety of intracellular structures. At least 4 isoforms of alpha actinin have been found. This antibody reacts specifically with alpha actinin isoform #1. |
| Batch No.: | See product label |
| Unit size: | 100 ug |
| Antigen: | Rabbit skeletal muscle alpha actinin |
| Clone: | SA-20 |
| Other Names: | ACTN1; |
| Accession: | P12814 ACTN1_HUMAN |
| Produced in: | Mouse |
| Purity: | IgG |
| Applications: | Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 3.5 ug/mL is recommended for WB. The predicted length of human actinin (isoform #1) is 892 residues and a MW of 103 kDa. A concentration of 3.5-7.0 ug/mL is recommended to detect alpha actinin in formalin fixed and paraffin embedded tissues. Antigen retrieval is required. Also the recommended titre for formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user. |
| Specificity: | The specificity of this antibody has been confirmed by WB and IHC against the antigen. |
| Cross-reactivity: | Human; mouse; rat; |
| Form: | Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃ |
| Reconstitution: | Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material. |
| Storage: | At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles. |
| Expiry Date: | 12 months after purchase. |

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