

39-1056: Anti-alpha-Smooth Muscle Actin Monoclonal Antibody (Clone: 1A4)

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| Clonality : | Monoclonal |
| Clone Name : | 1A4 |
| Application : | WB,IHC-P,IHC-F |
| Reactivity : | Human |
| Gene : | Acta2 |
| Gene ID : | 81633 |
| Uniprot ID : | P62738 |
| Alternative Name : | Actin, aortic smooth muscle; Alpha-actin-2; Acta2; Actsa, Actvs |
| Isotype : | Mouse IgG2a |
| Immunogen Information : | N-terminal synthetic decapeptide of alpha-smooth muscle actin. |

Description

Ueyama et al.(1990) assigned the ACTSA gene to chromosome 10 by Southern blot analysis of DNAs from 18 rodent-human somatic cell hybrids. Regional mapping by in situ hybridization localized the gene to 10q22-q24. Assignment of the vascular smooth muscle actin gene ACTSA to human chromosome. Smooth muscle alpha-actin gene requires two E-boxes for proper expression in vivo and is a target of class I basic helix-loop-helix proteins.

Product Info

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| Amount : | 100 µg/vial |
| Purification : | Ascites |
| Content : | Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml. |
| Storage condition : | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing. |

Application Note

Western blot : 2.5-10 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.1-0.5 µg/ml;
Immunohistochemistry(Frozen Section) : 0.1-0.5 µg/ml

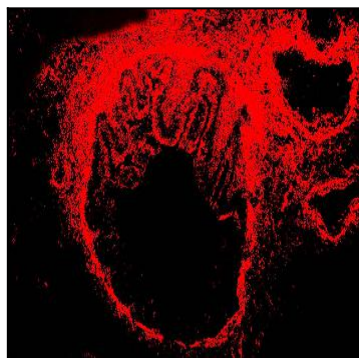


Figure 1: Anti-alpha-Smooth Muscle Actin antibody(monoclonal) 39-1056. IHC(P): Rat Cardiac Muscle Tissue.