

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1A4
<b>Application :</b>	WB,IHC-P,IHC-F
<b>Reactivity :</b>	Human
<b>Gene :</b>	Acta2
<b>Gene ID :</b>	81633
<b>Uniprot ID :</b>	P62738
<b>Alternative Name :</b>	Actin, aortic smooth muscle; Alpha-actin-2; Acta2; Actsa, Actvs
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	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

<b>Amount :</b>	100 µg/vial
<b>Purification :</b>	Ascites
<b>Content :</b>	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN <sub>3</sub> as preservative. Reconstitute : Add 1ml of PBS buffer will yield a concentration of 100ug/ml.
<b>Storage condition :</b>	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

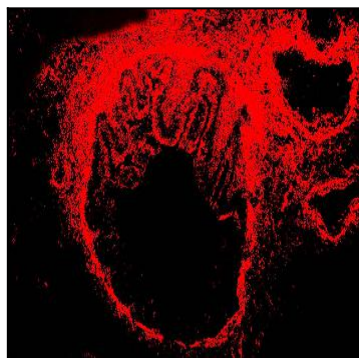


Figure 1: Anti-alpha-Smooth Muscle Actin antibody(monoclonal) 39-1056. IHC(P): Rat Cardiac Muscle Tissue.