

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

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

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 $\hat{1}$ ¼g/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.1-0.5 $\hat{1}$ ¼g/ml; Immunohistochemistry(Frozen Section) : 0.1-0.5 $\hat{1}$ ¼g/ml

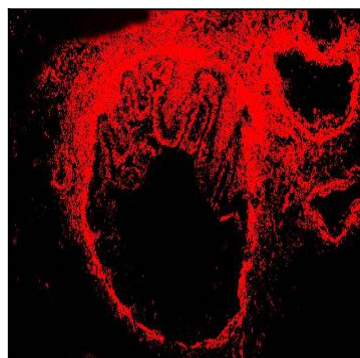


Figure 1: Anti-alpha-Smooth Muscle Actin antibody(monoclonal) 39-1056. IHC(P): Rat Cardiac Muscle Tissue.