



Product Information Sheet

Monoclonal Anti- α -Smooth Muscle Actin (Sephacose Bead Conjugate)

Catalogue No. MA1106-S

Lot No. 08A12

Clone: 1A4

Ig type: mouse IgG2a

Size: 200 μ l

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

N-terminal synthetic decapeptide of α -smooth muscle actin.

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sephacose beads. It is useful for immunoprecipitation assays

BACKGROUND

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 10. Smooth muscle α -actin gene requires two E-boxes for proper expression in vivo and is a target of class I basic helix-loop-helix proteins.

REFERENCE

1. Kumar, M. S.; Hendrix, J. A.; Johnson, A. D.; Owens, G. K. : Smooth muscle α -actin gene requires two E-boxes for proper expression in vivo and is a target of class I basic helix-loop-helix proteins. Circ. Res. 92: 840-847, 2003.
2. Ueyama, H.; Bruns, G.; Kanda, N. : Assignment of the vascular smooth muscle actin gene ACTSA to human chromosome 10. Jpn. J. Hum. Genet. 35: 145-150, 1990.

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