ARG52485
anti-alpha smooth muscle Actin antibody [1A4]

Summary

Product Description
Mouse Monoclonal antibody [1A4] recognizes alpha smooth muscle Actin (SMA)

Tested Reactivity
Hu, Ms, Rat, Pig, Rb, Sheep

Tested Application
ELISA, ICC/IF, IHC-Fr, IHC-P, WB

Host
Mouse

Clonality
Monoclonal

Clone
1A4

Isotype
IgG1, k

Target Name
alpha smooth muscle Actin

Antigen Species
Human

Immunogen
Synthetic peptide from N-terminus of human alpha smooth muscle isoform of actin.

Conjugation
Un-conjugated

Alternate Names
Cell growth-inhibiting gene 46 protein; MYMY5; ACTSA; Alpha-actin-2; Actin, aortic smooth muscle; AAT6

Application Instructions

Application table

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Application Note
IHC-P:
Incubation Time: 30 min at RT.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control
Leiomyoma, Small Intestine (Smooth Muscle)

Calculated Mw
42 kDa

Properties

Form
Liquid

Buffer
Tissue culture supernatant in TBS (pH 7.5), 1% BSA and < 0.1% Sodium azide

Preservative
< 0.1% Sodium azide
Stabilizer 1% BSA

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background This antibody stains smooth muscle cells in vessel walls, gut wall, and myometrium. Myoepithelial cells in breast and salivary gland are also stained. It reacts with tumors arising from smooth muscles and myoepithelial cells. Actin from fibroblasts (beta- and gamma-cytoplasmic), striated muscle (alpha-sarcomeric), and myocardium (alpha-myocardial) are not stained.

Highlight Related products: alpha smooth muscle Actin antibodies; alpha smooth muscle Actin Duos / Panels; Anti-Mouse IgG secondary antibodies; Related news: Besides tumor suppression, what’s p53 busy for during embryogenesis?

Research Area Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody

Cellular Localization Cytoplasm

Images

ARG52485 Western blot: 30 µg of MEF cell lysate stained with anti-alpha smooth muscle Actin antibody [1A4] at 1:200 dilution.