

# Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

## ?-Smooth Muscle Actin (1A4) Mouse mAb (BSA and Azide Free)

RRID:AB\_3492079

Type: Antibody

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### Proper Citation

Cell Signaling Technology Cat# 69319, RRID:AB\_3492079

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### Antibody Information

**URL:** [http://antibodyregistry.org/AB\\_3492079](http://antibodyregistry.org/AB_3492079)

**Proper Citation:** Cell Signaling Technology Cat# 69319, RRID:AB\_3492079

**Target Antigen:** ?-Smooth Muscle Actin

**Host Organism:** mouse

**Clonality:** monoclonal

**Comments:** Applications: WB, IHC-P, IF-F

**Antibody Name:** ?-Smooth Muscle Actin (1A4) Mouse mAb (BSA and Azide Free)

**Description:** This monoclonal targets ?-Smooth Muscle Actin

**Target Organism:** rat, hamster, mouse, human

**Clone ID:** 1A4

**Antibody ID:** AB\_3492079

**Vendor:** Cell Signaling Technology

**Catalog Number:** 69319

**Record Creation Time:** 20250819T213838+0000

**Record Last Update:** 20250819T233742+0000

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### Ratings and Alerts

No rating or validation information has been found for ?-Smooth Muscle Actin (1A4) Mouse mAb (BSA and Azide Free).

No alerts have been found for ?-Smooth Muscle Actin (1A4) Mouse mAb (BSA and Azide Free).

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## Data and Source Information

**Source:** [Antibody Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Liu Y, et al. (2025) Conserved spatial subtypes and cellular neighborhoods of cancer-associated fibroblasts revealed by single-cell spatial multi-omics. Cancer cell, 43(5), 905.