

Datasheet for ABIN4995994

anti-Smooth Muscle Actin antibody



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1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	Smooth Muscle Actin (ACTA2)
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Smooth Muscle Actin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	Recombinant α -Smooth Muscle Actin
Clone:	3F9
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein G.

Target Details

Target:	Smooth Muscle Actin (ACTA2)
Alternative Name:	ACTA2 (ACTA2 Products)
Background:	Synonyms: Actin, aortic smooth muscle, ACTA2, Alpha-actin-2, Cell growth-inhibiting gene 46

Target Details

protein, ACTSA, ACTVS, GIG46

Background: Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells.

Gene ID: 59

UniProt: [P62736](#)

Pathways: [Myometrial Relaxation and Contraction](#), [Skeletal Muscle Fiber Development](#)

Application Details

Application Notes: WB 1:300-5000
FCM 1:20-100
IHC-P 1:200-400
IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

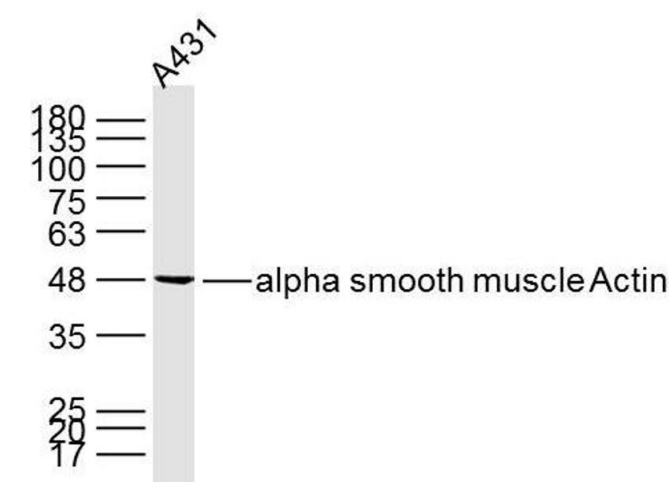
Storage: 4 °C, -20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Jin, Shao, Sun, Miao, Li, Shi: "Urinary kidney injury molecule-1 as an early diagnostic biomarker of obstructive acute kidney injury and development of a rapid detection method." in: **Molecular medicine reports**, Vol. 15, Issue 3, pp. 1229-1235, (2017) ([PubMed](#)).



Western Blotting

Image 1. A431 cell lysate probed with ACTA2 (3F9) Monoclonal Antibody (bsm-33187M) at 1:300 overnight at 4°C followed by a conjugated secondary antibody at 1:10000 for 90 minutes at 37°C.