9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2304

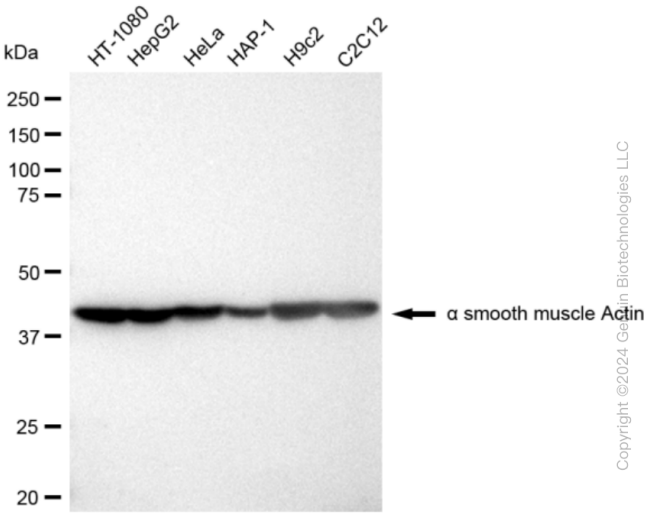
Product Overview

Name	KD-Validated Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody
Accession(Primary)	P62736
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human alpha smooth muscle Actin
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 42 kDa, observed, 42 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western Blotting (WB): 1:2,000-1:10,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P62736)

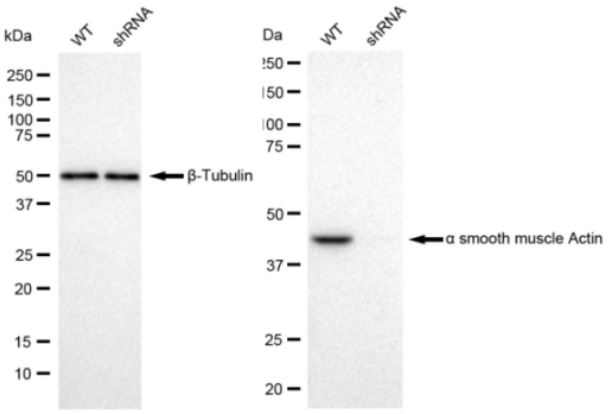
Gene Name	ACTA2
About Gene Symbol	ACTA2 (Actin Alpha 2, Smooth Muscle) is a metabolic enzyme involved in cellular metabolism. It is an important research target in cardiovascular disease and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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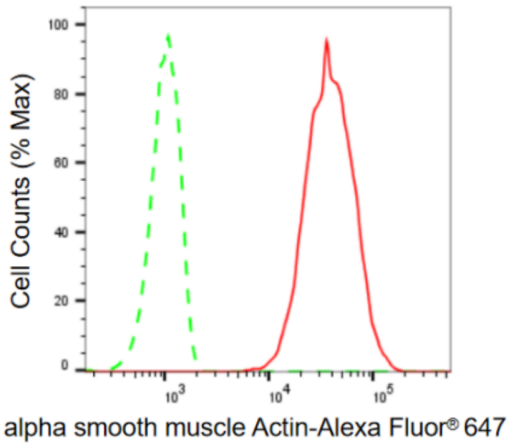
Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#ABG2304). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-alpha smooth muscle Actin antibody (Cat#ABG2304, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#ABG2304). alpha smooth muscle Actin antibody expression in wild type (WT) and alpha smooth muscle Actin antibody shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-alpha smooth muscle Actin antibody (Cat#ABG2304, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

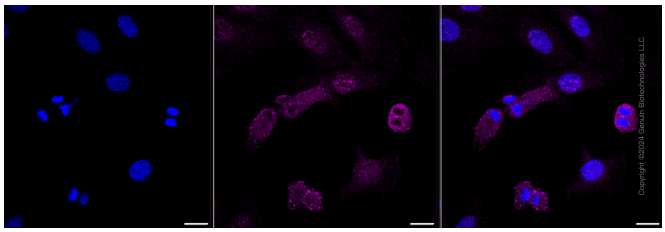
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Flow cytometric analysis of alpha smooth muscle Actin expression in HT-1080 cells using alpha smooth muscle Actin antibody (Cat#ABG2304, 1:2,000). Green, isotype control; red, alpha smooth muscle Actin.

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Immunocytochemical staining of HT-1080 cells with alpha smooth muscle Actin antibody (Cat#ABG2304, 1:1,000). Nuclei were stained blue with DAPI; alpha smooth muscle Actin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20 µm.