

KD-Validated Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2304

Specification

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

Application	WB, FC, ICC
Primary Accession	P62736
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 42 kDa, observed, 42 kDa KDa
Gene Name	ACTA2
Aliases	ACTA2; Actin Alpha 2, Smooth Muscle; ACTSA; Cell Growth-Inhibiting Gene 46 Protein; Actin, Alpha 2, Smooth Muscle, Aorta; Actin, Aortic Smooth Muscle; Alpha-Cardiac Actin; Alpha-Actin-2; EC 3.6.4.-; ACTVS
Immunogen	A synthesized peptide derived from human alpha smooth muscle Actin

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

Gene ID **59**

Other Names

Actin, aortic smooth muscle, 3.6.4.-, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, Actin, aortic smooth muscle, intermediate form, ACTA2, ACTSA, ACTVS

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

Name ACTA2

Synonyms ACTSA, ACTVS

Function

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

Cellular Location

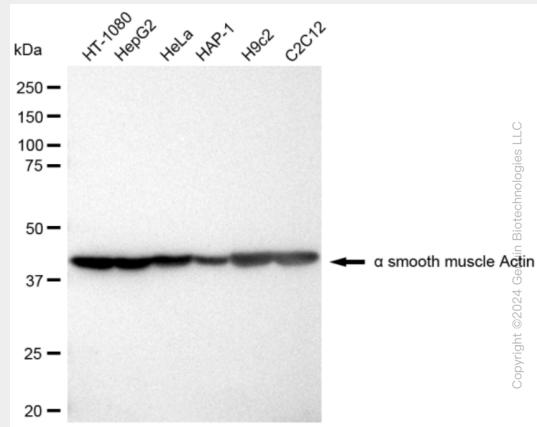
Cytoplasm, cytoskeleton.

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

Provided below are standard protocols that you may find useful for product applications.

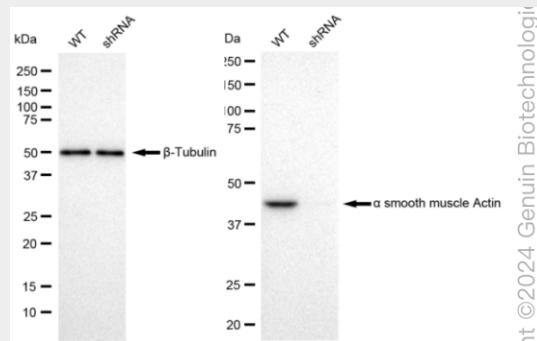
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



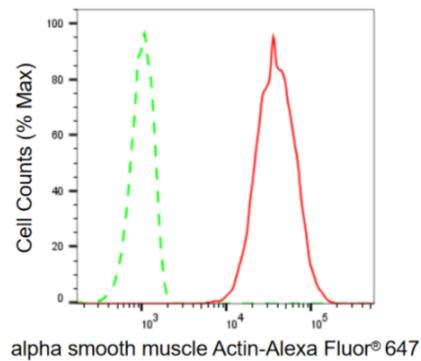
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Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#AGI2304). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-alpha smooth muscle Actin antibody (Cat#AGI2304, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



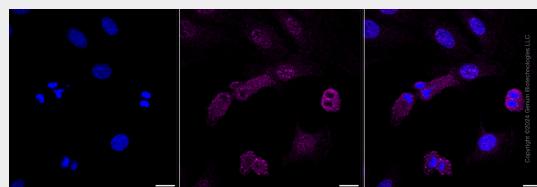
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Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#AGI2304). alpha smooth muscle Actin antibody expression in wild type (WT) and alpha smooth muscle Actin antibody shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. beta-Tubulin serves as a loading control. The blot was incubated with anti-alpha smooth muscle Actin antibody (Cat#AGI2304, 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#AGI2304, 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#AGI2304, 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 μ m.