

KD-Validated Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI2319**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
Gene Name	KDa 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

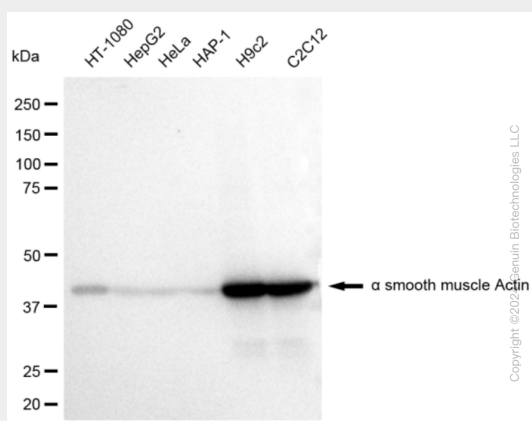
Cytoplasm, cytoskeleton.

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

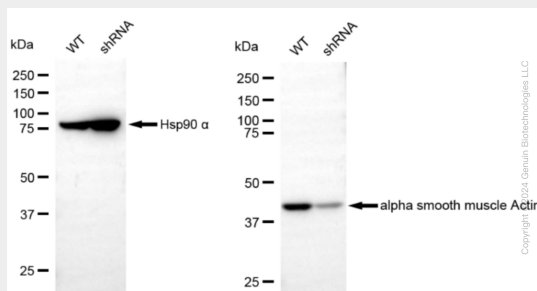
Provided below are standard protocols that you may find useful for product applications.

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

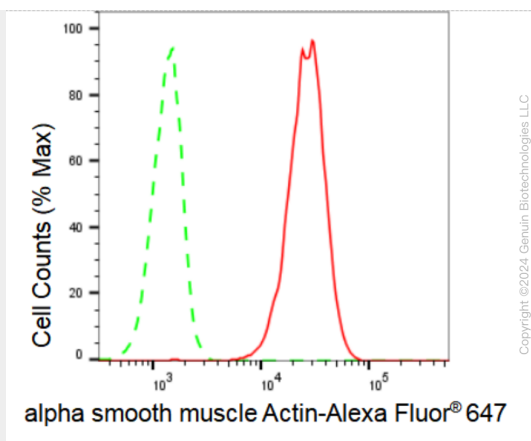
KD-Validated Anti-alpha smooth muscle Actin Rabbit Monoclonal Antibody - Images



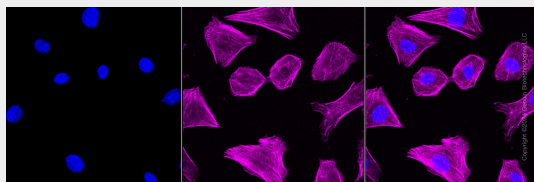
Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#AGI2319). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-alpha smooth muscle Actin1 antibody (Cat#AGI2319, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-alpha smooth muscle Actin antibody (Cat#AGI2319). 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#AGI2319, 1:10,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of alpha smooth muscle Actin expression in C2C12 cells using alpha smooth muscle Actin antibody (Cat#AGI2319, 1:2,000). Green, isotype control; red, alpha smooth muscle Actin.



Immunocytochemical staining of C2C12 cells with alpha smooth muscle Actin antibody (Cat#AGI2319, 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: Medium. Scale bar: 20 µm.