

**Alpha smooth muscle Actin Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP50856**

**Specification**

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**Alpha smooth muscle Actin Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P62736</a>
Reactivity	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42; [uniprot]42; [CST]45; [EPI]45,42; KDa
Antigen Region	165-260/377

**Alpha smooth muscle Actin Antibody - Additional Information**

**Gene ID** 59

**Other Names**

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

**Dilution**

<span class = "dilution\_WB">WB~~1:100~1:500</span>

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**Alpha smooth muscle Actin 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**

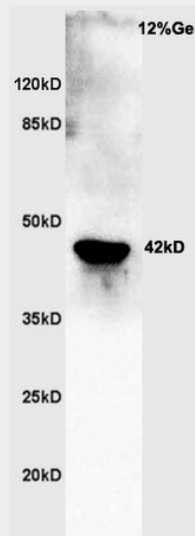
Cytoplasm, cytoskeleton.

**Alpha smooth muscle Actin Antibody - Protocols**

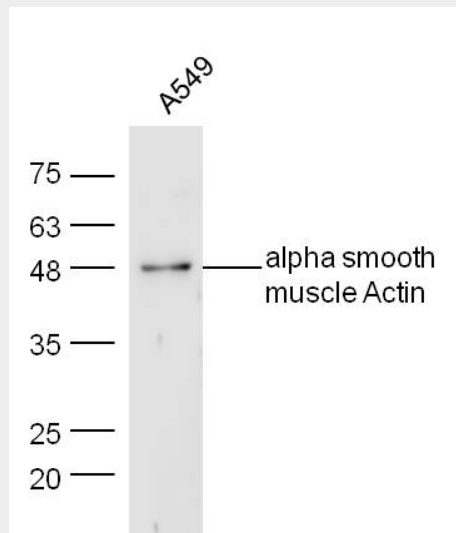
Provided below are standard protocols that you may find useful for product applications.

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

### Alpha smooth muscle Actin Antibody - Images



Human A549 lysates probed with Rabbit Anti-Actin Polyclonal Antibody, Unconjugated (AP50856) at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37°C.



Human A549 lysates probed with Rabbit Anti-Actin Polyclonal Antibody, Unconjugated AP50856 at 1:300 overnight at 4°C. Followed by a conjugated secondary antibody at 1:5000 for 90 min at 37°C.

### Alpha smooth muscle Actin Antibody - Background

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

#### **Alpha smooth muscle Actin Antibody - References**

Kamada S., et al. Nucleic Acids Res. 17:1767-1767(1989).

Reddy S., et al. J. Biol. Chem. 265:1683-1687(1990).

Kim J.W., et al. Submitted (JUL-2004) to the EMBL/GenBank/DDBJ databases.

Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).