

**ACTA2 / Smooth Muscle Actin Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14947****Specification**

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**ACTA2 / Smooth Muscle Actin Antibody - Product Information**

Application	IHC
Primary Accession	<a href="#">P62736</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	42kDa KDa

**ACTA2 / 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

**Target/Specificity**

Recognizes human Actin, Smooth Muscle. Staining pattern: Cytoplasmic.

**Reconstitution & Storage**

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months

**Precautions**

ACTA2 / Smooth Muscle Actin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ACTA2 / 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**

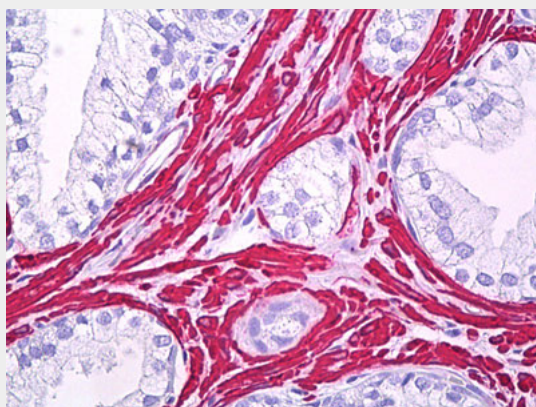
Cytoplasm, cytoskeleton.

**ACTA2 / 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](#)

#### **ACTA2 / Smooth Muscle Actin Antibody - Images**



Anti-Smooth Muscle Actin antibody IHC of human prostate, smooth muscle.

#### **ACTA2 / 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.

#### **ACTA2 / 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).