

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4)
Mouse Monoclonal Antibody
Catalog # ALS13871**Specification**

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) - Product Information

Application	IHC
Primary Accession	P62736
Reactivity	Human, Mouse, Rat, Rabbit, Chicken, Baboon, Bovine
Host	Mouse
Clonality	Monoclonal
Calculated MW	42kDa KDa

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) - 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

Acetyl group and the first 4 amino acids on the N-terminal end of the peptidic chain of alpha-smooth actin.

Reconstitution & Storage

Stable for 24 months when stored at 2-8°C.

Precautions

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) is for research use only and not for use in diagnostic or therapeutic procedures.

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) - 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

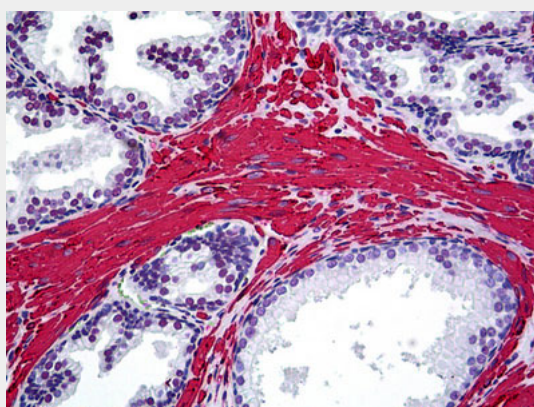
Cytoplasm, cytoskeleton.

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) - 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 (clone 1A4) - Images



Anti-Smooth Muscle Actin antibody IHC of human prostate.

ACTA2 / Smooth Muscle Actin Antibody (clone 1A4) - 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 (clone 1A4) - 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).