

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

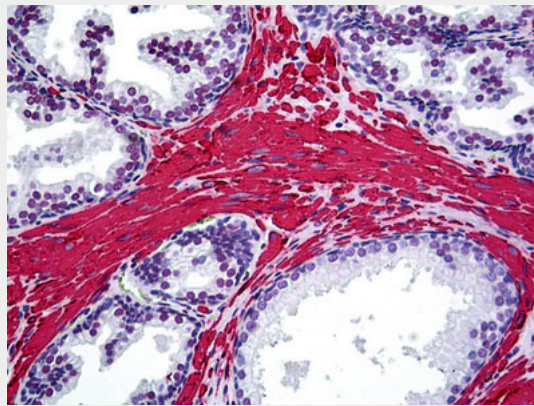
Cytoplasm, cytoskeleton.

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).