

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus)
Goat Polyclonal Antibody
Catalog # ALS13077

Specification

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - Product Information

Application	WB, IHC
Primary Accession	P62736
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Monkey, Pig, Chicken, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	42kDa KDa

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - 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

Human ACTA2. Variants NP_001604.1 and NP_001135417.1 encode the same protein.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - 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

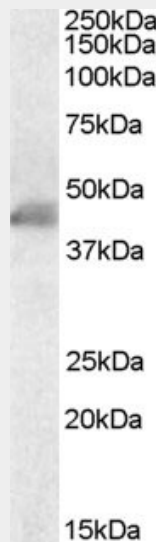
Cytoplasm, cytoskeleton.

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - Protocols

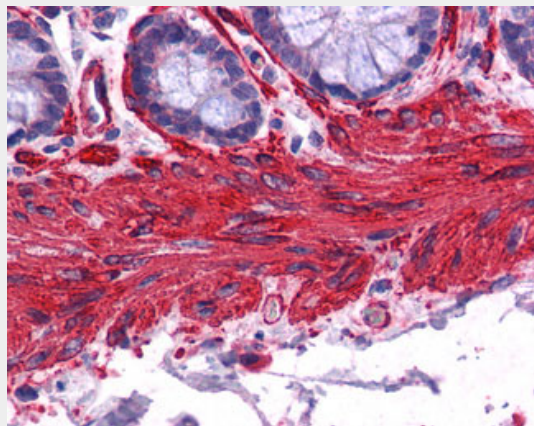
Provided below are standard protocols that you may find useful for product applications.

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

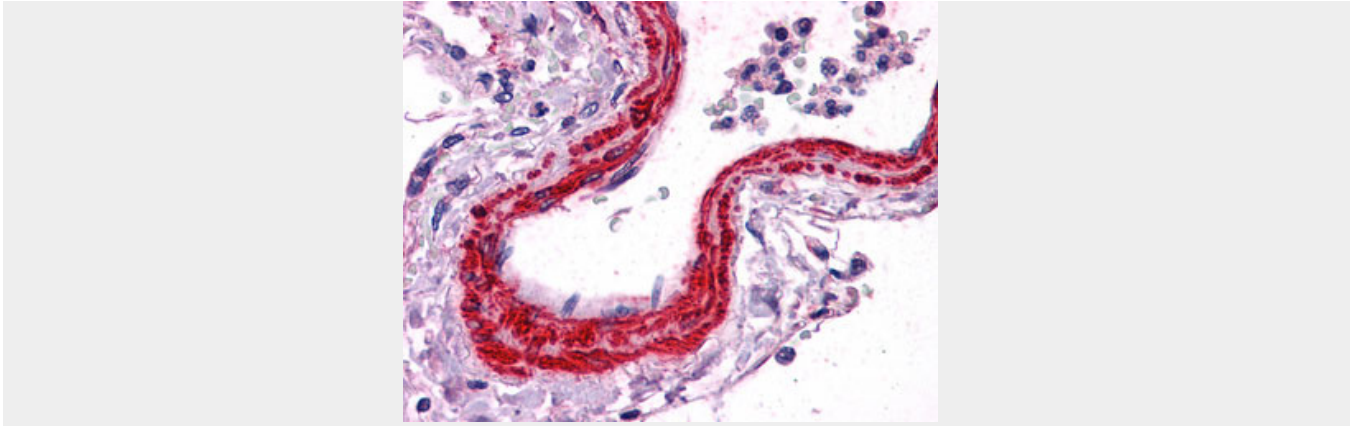
ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - Images



Antibody staining (0.1 ug/ml) of Human Duodenum lysate (RIPA buffer, 35 ug total protein per lane).



Anti-ACTA2 antibody IHC of human colon, smooth muscle.



Anti-ACTA2 antibody IHC of human vessel.

ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - 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 (N-Terminus) - 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).