

**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 | <a href="#">P62736</a>   |
| 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**

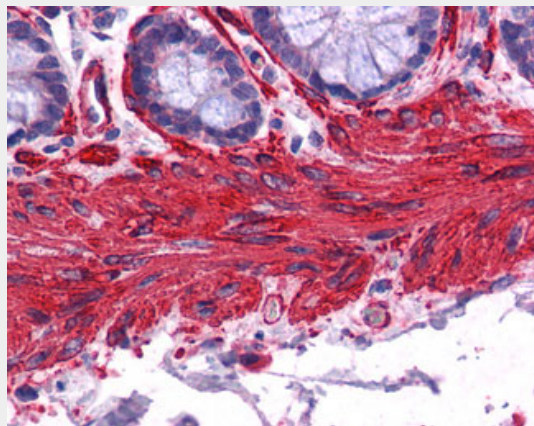
Provided below are standard protocols that you may find useful for product applications.

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

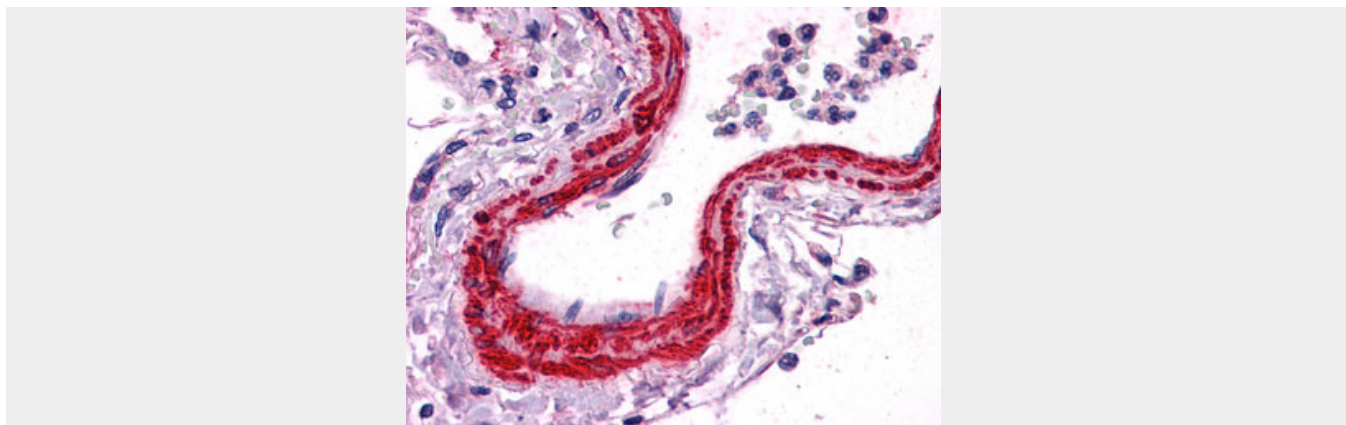
#### **ACTA2 / Smooth Muscle Actin Antibody (N-Terminus) - Images**



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).