

**ACTA2 antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22466a****Specification**

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**ACTA2 antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P62736</a>
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Calculated MW	42009

**ACTA2 antibody - Additional Information****Gene ID 59****Other Names**

Actin, aortic smooth muscle, 3.6.4.-, Alpha-actin-2, Cell growth-inhibiting gene 46 protein, Actin, aortic smooth muscle, intermediate form, ACTA2, ACTSA, ACTVS

**Target/Specificity**

This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between amino acids from human.

**Dilution**

WB~~1:2000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

ACTA2 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**ACTA2 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**

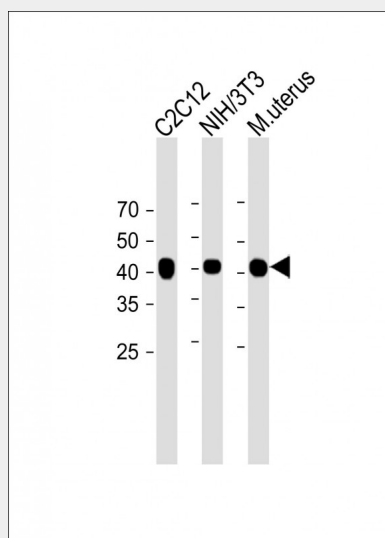
Cytoplasm, cytoskeleton.

#### **ACTA2 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 antibody - Images**



All lanes: Anti-ACTA2 antibody at 1:2000 dilution Lane 1: C2C12 whole cell lysate Lane 2: NIH/3T3 whole cell lysate Lane 3: Mouse uterus lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 42 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **ACTA2 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 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).

