

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-888-267-4436 Fax: +1-301-340-8606 techsupport@origene.com

## OriGene Technologies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11

info-de@origene.com

## AP31046PU-N Polyclonal Antibody to ACTA2 / aortic smooth muscle Actin (N-

term) - Purified

Alternate names: ACTSA, ACTVS, Alpha-actin-2, Cell growth-inhibiting gene 46 protein

Quantity: 0.25 ml

Background: Actin alpha 2, the human aortic smooth muscle actin gene, is one of six different actin

isoforms which have been identified. Actins are highly conserved proteins that are involved in cell motility, structure and integrity. Alpha actins are a major constituent

of the contractile apparatus.

Uniprot ID: P62736

NCBI: NP\_001135417

GenelD: 59

Host / Isotype: Rabbit / IgG

Immunogen: A synthetic peptide from N-terminus of Human alpha smooth muscle isoform of Actin

Genename: ACTA2

Format: State: Liquid purified Ig fraction

Purification: Immunoaffinity Chromatography

**Buffer System:** 10 mM PBS, pH 7.4 **Preservatives:** 0.09% Sodium Azide

Stabilizers: BSA

Applications: Immunohistochemistry on Paraffin Sections: 1/100.

Other applications not tested. Optimal dilutions are dependent on conditions and

should be determined by the user.

Specificity: This antibody stains smooth muscle cells in vessel walls, gut wall, and myometrium.

Myoepithelial cells in breast and salivary gland are also stained. It reacts with tumors arising from smooth muscles and myoepithelial cells. Actin from fibroblasts (beta-and gamma-cytoplasmic), striated muscle (alpha-sarcomeric), and myocardium

(alpha-myocardial) are not labeled.

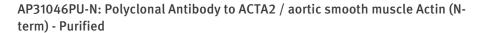
Species Reactivity: Tested: Human.

**Expected from sequence similarity:** Mouse, Rat, Rabbit, Chicken, Bovine and Baboon.

**Storage:** Store the antibody undiluted at 2-8°C.

DO NOT FREEZE!

Shelf life: one year from despatch.





Pictures:

Human Lung, Vessels: Formalin-Fixed, Paraffin-Embedded (FFPE)

