

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
GeneID:	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)

