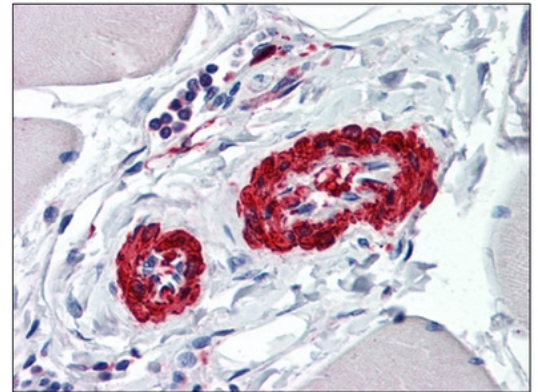


AM31714PU-N**Monoclonal Antibody to ACTA2 / aortic smooth muscle Actin - Purified**

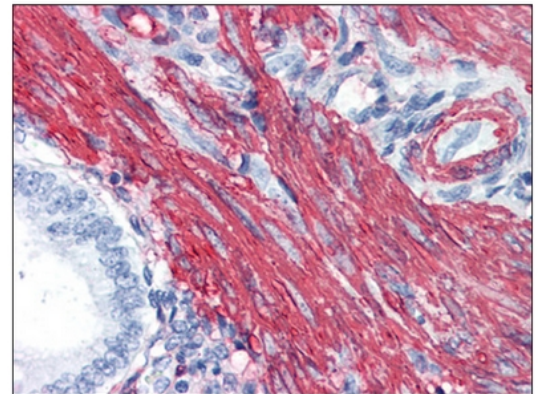
Alternate names:	ACTSA, ACTVS, Alpha-actin-2, Cell growth-inhibiting gene 46 protein
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	Actin alpha 2, the human aortic smooth muscle actin gene, is one of six different actin isoforms which have been identified. Actins are highly conserved proteins that 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:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	1D11-2B9
Immunogen:	ACTA2 (AAH17554, 1 a.a. ~ 378 a.a) full-length recombinant protein with GST tag. AA Sequence: MCEEEDSTALVCDNGSGLCKAGFAGDDAPRAVFPISVGRPRHQVVMVGMGQKDSYVGDEAQS KRGI LTLKYP IEHGI ITNWDDMEKIWHHSFYNELRVAP E EHP TLLTEAPLNPKANREKMTQIMFETFNVPAMYVAIQAVLSLYASGR TTGIV LDSGDGVTHNVPIYEGYALPHAIMRLDLAGRDLTDYLMKILTERGYSFVTTAEREIVRDIKEKLCYVALDFE NEMAT AASSSSLEKSYELPDGQVITIGNERFRCPETLFPSPFIGMESAGIHETTYSIMKCIDIRKDLYANNVLSG GTTMY PGIADRMQKEITALAPSTMKIKI IAPPERKYSVWIGGSILASLSTFQQMWISKQ EYDEAGPSIVHRKCF
	Remarks: MW of the GST tag alone is 26 KDa.
Format:	State: Liquid purified Ig fraction Purification: Protein A Chromatography Buffer System: PBS, pH 7.2
Applications:	ELISA. Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 1/500 - 1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Recognizes aortic smooth muscle Actin / ACTA2.
Species Reactivity:	Tested: Human.

Storage: Store the antibody (in aliquots) at -20°C or lower.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

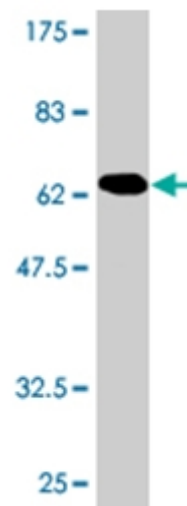
Pictures: Human Vessels: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Uterus: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western Blot detection against Immunogen (67.58 KDa) .



Detection limit for recombinant GST tagged ACTA2 is approximately 0.3ng/ml as a capture antibody.

