

Product datasheet for **AM50166PU-S**

alpha smooth muscle Actin (ACTA2) Mouse Monoclonal Antibody [Clone ID: SPM332]

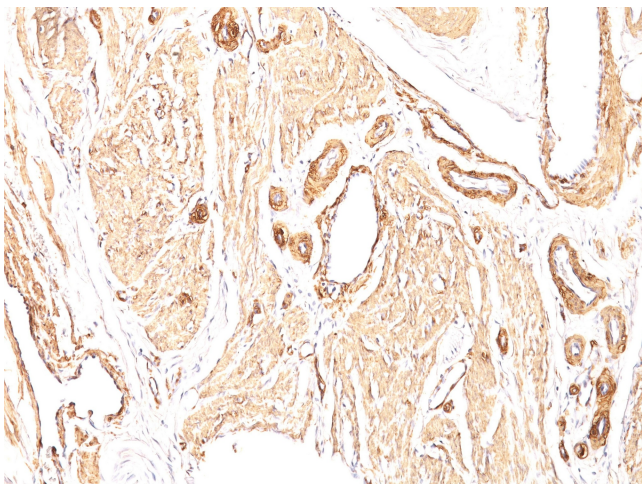
Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM332
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: 0.5-1 µg/million cells. Immunofluorescence: 0.5-1 µg/ml. Western Blotting: 0.5-1 µg/ml. Immunoprecipitation: 0.5-1 µg/500 µg protein lysate. Immunohistology (Formalin-Fixed): 0.5-1.0 µg/ml for 30 minutes at RT. (Staining of Formalin-Fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min. followed by cooling at RT for 20 min.) Positive Control: Blood vessels in all tissues, smooth muscle or leiomyosarcoma.
Reactivity:	Baboon, Bovine, Canine, Chicken, Feline, Guinea Pig, Goat, Human, Monkey, Mouse, Porcine, Rabbit, Rat, Sheep
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	N-Terminal decapeptide of alpha smooth muscle isoform of actin and conjugated to KLH.
Specificity:	Actin is a major component of the cytoskeleton and is present in most cell types. This Monoclonal Antibody is highly specific to actin from smooth muscles. Its epitope lies in the first four N-terminal amino acids. This Monoclonal Antibody does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. This antibody could be used together with anti-muscle specific actin and myogenin in making a diagnosis of smooth muscle and skeletal muscle tumors. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin. Cellular Localization: Cytoplasmic.



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Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	42 kDa
Gene Name:	actin, alpha 2, smooth muscle, aorta
Database Link:	Entrez Gene 59 Human P62736
Synonyms:	ACTSA, ACTVS, Alpha-actin-2

Product images:

Formalin-paraffin leiomyosarcoma stained with Smooth Muscle Actin Antibody (Clone SPM332).