

## Product datasheet for **AM50166PU-T**

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

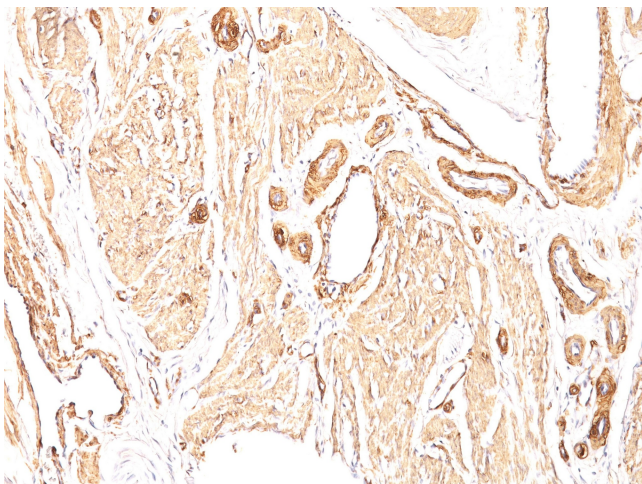
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SPM332
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>Flow Cytometry:</b> 0.5-1 µg/million cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Western Blotting:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Immunohistology (Formalin-Fixed):</b> 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.) <b>Positive Control:</b> 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. <b>Cellular Localization:</b> Cytoplasmic.



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

**Product images:**

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