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36-1654: Monoclonal Antibody to Actin, Smooth Muscle (Leiomyosarcoma Marker)(Clone : SPM332)

Clonality :	Monoclonal
Clone Name :	SPM332
Application :	IF,IHC
Reactivity :	Human, Mouse, Rat
Gene :	ACTA2
Gene ID :	59
Uniprot ID :	P62736
Format :	Purified
Alternative Name :	ACTA2,ACTSA,ACTVS,GIG46
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	N-Terminal decapeptide of alpha smooth muscle isoform of actin and conjÂµgated to KLH.

Description

Actin is a major component of the cytoskeleton and is present in most cell types. This MAb is highly specific to actin from smooth muscles. Its epitope lies in the first four N-terminal amino acids. This MAb 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.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunofluorescence (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes);

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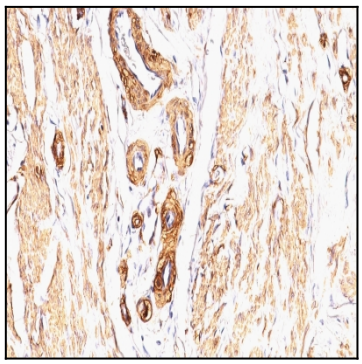

Formalin-fixed, paraffin-embedded Leiomyosarcoma stained with Smooth Muscle Actin Monoclonal Antibody (SPM332).