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

Clone Name: 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 conjµgated 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.

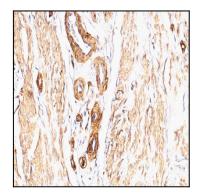
## **Application Note**

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).