

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

36-1656: Monoclonal Antibody to Actin, Smooth Muscle (Leiomyosarcoma Marker)(1A4 + ACTA2/791)

Clonality: Monoclonal

Clone Name: 1A4 + ACTA2/791
Application: FACS,IF,IHC
Reactivity: Human, Rat
Gene: ACTA2
Gene ID: 59

Uniprot ID: P62736
Format: Purified

Alternative Name: ACTA2,ACTSA,ACTVS,GIG46

Isotype: Mouse IgG2a, kappa + Mouse IgG2a, kappa

Immunogen Information: N-Terminal decapeptide of alpha smooth muscle isoform of actin and conjugated to KLH (1A4);

Recombinant full-length human ACTA2 protein (ACTA2/791)

Description

Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. 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:

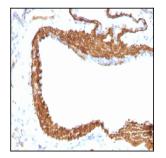
Storage condition:

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

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/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°C followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded Rat Lung stained with Smooth Muscle Actin Monoclonal Antibody (1A4 + ACTA2/791).

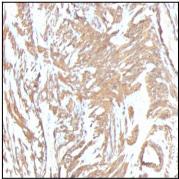


9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

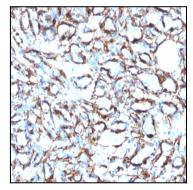
Email: info@abeomics.com



Formalin-fixed, paraffin-embedded Rat Stomach stained with Smooth Muscle Actin Monoclonal Antibody (1A4 + ACTA2/791).



Formalin-fixed, paraffin-embedded human Leiomyosarcoma stained with Smooth Muscle Actin Monoclonal Antibody (1A4 + ACTA2/791).



Formalin-fixed, paraffin-embedded human Angiosarcoma stained with Smooth Muscle Actin Monoclonal Antibody (1A4 + ACTA2/791).