

Mouse anti-Muscle Specific Actin, Clone SC28 (monoclonal)

Clone no. SC28

MONXtra

Product name	Mouse anti-Muscle Specific Actin, Clone SC28 (monoclonal)
Host	Mouse
Applications	IHC-P (1:800)
Species reactivity	human, porcine, bovine, monkey, rabbit, hamster, rat
Conjugate	-
Immunogen	Prokaryotic recombinant protein corresponding to 187 amino acids of the human MSA molecule.
Isotype	IgG1
Clonality	Monoclonal
Clone number	SC28
Size	1 ml
Concentration	Greater than or equal to 13 mg/L
Format	-
Storage buffer	Tissue culture supernatant with sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Muscle specific actin (MSA) is a highly conserved, ubiquitous protein found in muscle and some non-muscle cells. Actins can be divided into three subsets, alpha actins found in muscle tissue cells, beta and gamma actins found in non-muscle cells and a small subset of gamma actins also found in muscle tissue cells. In normal tissues, expression is found in striated fibers of skeletal muscle, smooth muscle in arteries, veins and pericytes of smaller arteries, muscle in bowel, myometrium of the uterus, prostatic stroma, capsule cells of liver, kidney, lymph node and spleen, the myoepithelial layers of mammary ducts and glands, eccrine sweat glands and salivary glands. Expression is not found in epithelial cells, lymphoid cells, macrophages, connective tissue and neuronal cells. Human muscle specific alpha- and gamma-actin isomers. Reactive with alpha-actin from skeletal, cardiac and smooth muscle sources. Does not react with non-muscle actin, beta or non-smooth muscle gamma-actin isomers. Crossreacts with porcine, bovine, monkey, rabbit, hamster and rat muscle actin.

References

1. Tsutsumi Y et al. Pathology International. 1995; 45(2):10
2. Nicolas MM et al. Human Pathology 2010;41:663-671
3. Guillou L. Diagnostic Histopathology 2008;14:527- 535.
4. -
5. -

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