

Mouse Anti-Actin Muscle Specific [HHF35]: MC0003

Intended Use: For Research Use Only

Description: This antibody recognizes all muscular actin isotypes. It labels myoepithelial, smooth muscle, skeletal, cardiac muscle cells and leiomyomas. It has been reported to react with pericytes and reactive myofibroblasts. Positive staining cells have been reported in some sarcomas, representing either myofibroblasts or pericytes components. Using this antibody with other myogenic markers such as smooth muscle actin, desmin and vimentin will be very helpful for differentiation of tumor from muscle origin. Clone HHF35 has been demonstrated to be reliable marker for soft tissue tumors with muscle differentiation, i.e. leiomyomas, leiomyosarcomas, and rhabdomyosarcomas.

Specifications:

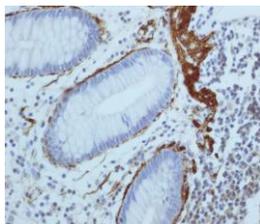
Clone: HHF35
Source: Mouse
Isotype: IgG1
Reactivity: Human
Localization: Cytoplasm
Formulation: Antibody in PBS pH7.2, containing < 0.2% BSA and < 0.09% sodium azide (NaN₃).
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC, WB
Package:

Description	Catalog No.	Size
Actin Muscle Specific Concentrated	MC0003	1 ml

IHC Procedure*:

Positive Control Tissue: Gastrointestinal tract
Concentrated Dilution: 50-200
Pretreatment: None
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon stained with anti-Actin Muscle Specific using DAB

References:

1. Live cell imaging reveals actin-cytoskeleton-induced self-association of the actin-bundling protein WLIM1. Hoffmann C, et al. J Cell Sci 127:583-98, 2014.
2. Antibody specific to muscle actins in the diagnosis and classification of soft tissue tumors. Miettinen M. Am J Pathol 130:205-15, 1988.
3. Diagnosis of rhabdomyosarcomas with HHF35, a monoclonal antibody directed against muscle actins. Schmidt RA, et al. Am J Pathol 131:19-28, 1988.
4. HHF35, a muscle-actin-specific monoclonal antibody. I. Immunocytochemical and biochemical characterization. Tsukada T, et al. Am J Pathol 126:51-60, 1987.

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Rev. A