

Muscle Actin Antibody (pan) [clone HHF35] (V2318)

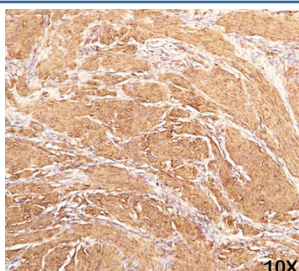
Catalog No.	Formulation	Size
V2318-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2318-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20
V2318SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100
V2318IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7



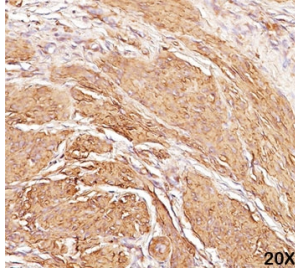
Citations (20)

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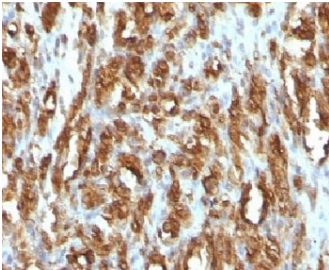
Species Reactivity	Human, Mouse
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	HHF35
Purity	Protein G affinity chromatography
UniProt	P62736, P68032, P68133
Gene ID	58, 59, 70
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 0.25-0.5ug/ml for 30 min at RT
Limitations	This Muscle Actin antibody is available for research use only.



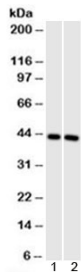
IHC staining of human leiomyosarcoma (10X) with Muscle Actin antibody (HHF35).



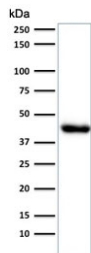
IHC staining of human leiomyosarcoma (20X) with Muscle Actin antibody (HHF35).



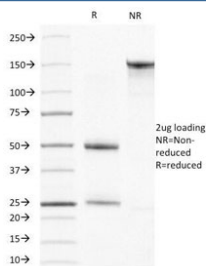
IHC testing of FFPE rhabdomyosarcoma with Muscle Actin antibody



Western blot testing of 1) human muscle and 2) mouse muscle cell lysate with Muscle Actin antibody (clone HHF35).



Western blot testing of human endometrium muscle lysate with Muscle Actin antibody (clone HHF35).



SDS-PAGE analysis of purified, BSA-free Muscle Actin antibody (clone HHF35) as confirmation of integrity and purity.

Description

This antibody recognizes actin of skeletal, cardiac, and smooth muscle cells. It is not reactive with other mesenchymal cells except for myoepithelium. Actin can be resolved on the basis of its isoelectric points into three distinctive components: alpha, beta, and gamma in order of increasing isoelectric point. This mAb recognizes alpha and gamma isotypes of all muscle groups. Nonmuscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of nonmuscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative. It stains tumors of smooth (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas).

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the Muscle actin HHF35 antibody to be titrated up or down for optimal performance.

1. No special pretreatment is required for the IHC staining of formalin-fixed, paraffin-embedded tissues.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

SDS extract of human myocardium was used as the immunogen for this Muscle Actin HHF35 antibody.

Storage

Store the Muscle Actin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

Muscle actin antibody

References (2)