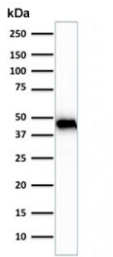
Muscle Actin Antibody (Skeletal/Cardiac/Smooth) [clone rMSA/953] (V8843)

Catalog No.	Formulation	Size
V8843-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8843-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8843SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

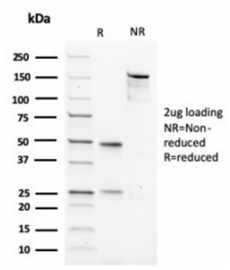
Recombinant | MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rMSA/953
Purity	Protein A/G affinity
UniProt	P62736, P68032 & P68133
Localization	Cytoplasm
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-2ug/ml
Limitations	This Muscle Actin antibody is available for research use only.



Western blot testing of human skeletal muscle tissue lysate using Muscle Actin antibody (clone rMSA/953). Predicted molecular weight ~45 kDa.



SDS-PAGE analysis of purified, BSA-free Muscle Actin antibody (clone rMSA/953) 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. Anti-muscle specific actin recognizes alpha and gamma isotypes of all muscle groups. Non-muscle cells such as vascular endothelial cells and connective tissues are non-reactive. Also, neoplastic cells of non-muscle-derived tissue such as carcinomas, melanomas, and lymphomas are negative.It stains tumors of smooth muscle (leiomyomas and leiomyosarcomas) as well as skeletal muscle (rhabdomyomas and rhabdomyosarcomas).

Application Notes

Optimal dilution of the Muscle Actin antibody should be determined by the researcher.

Immunogen

Recombinant protein was used as the immunogen for the Muscle Actin antibody.

Storage

Aliquot the Muscle Actin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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