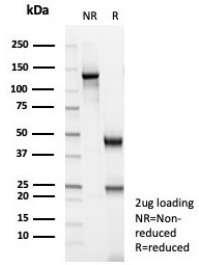
Actin Antibody / Muscle specific [clone MSA/8949R] (V4811)

Catalog No.	Formulation	Size
V4811-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4811-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4811SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MSA/8949R
Purity	Protein A/G affinity
UniProt	P62736, P68032, P68133
Localization	Cytoplasm
Applications	ELISA (Order BSA-free Format For Coating) :
Limitations	This Actin antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free MSA antibody (clone MSA/8949R) 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 Actin antibody should be determined by the researcher.

Immunogen

Recombinant human muscle actin protein was used as the immunogen for the Actin antibody.

Storage

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