

Product Datasheet

Actin (Muscle Specific) Antibody (HHF35 + MSA/953) NBP2-45275-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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Updated 10/23/2024 v.20.1

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NBP2-45275-0.1mg

Actin (Muscle Specific) Antibody (HHF35 + MSA/953)

Product Information	
Unit Size	0.1 mg
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	HHF35 + MSA/953
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-47663) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	58
Gene Symbol	ACTA1
Species	Human, Rat, Canine, Feline, Rabbit
Marker	Muscle Cell Marker
Specificity/Sensitivity	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).
Immunogen	Recombinant human Actin (Muscle Specific) fragment

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.25-0.5 ug/ml, Immunofluorescence 0.5 - 1.0 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

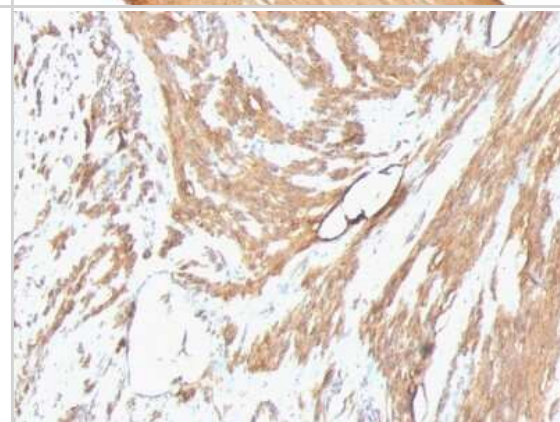


Images

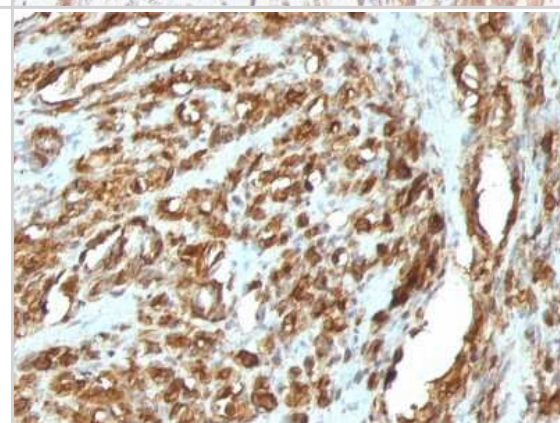
Immunohistochemistry-Paraffin: Actin (Muscle Specific) Antibody (HHF35 + MSA/953) [NBP2-45275] - Rat Stomach stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



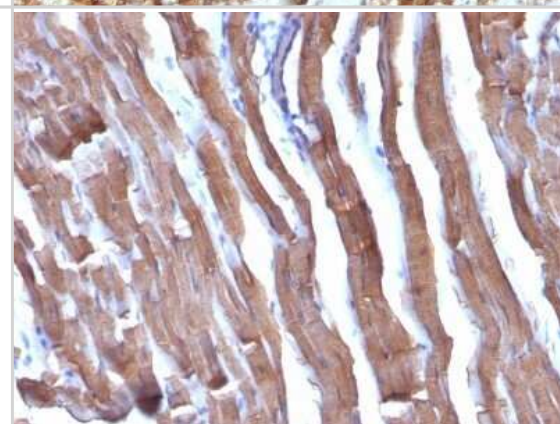
Immunohistochemistry-Paraffin: Actin (Muscle Specific) Antibody (HHF35 + MSA/953) [NBP2-45275] - Human Leiomyosarcoma stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



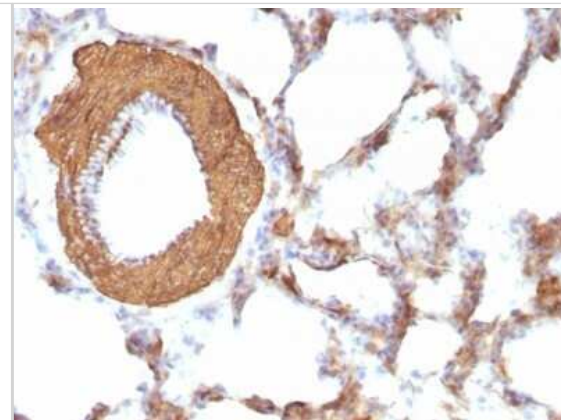
Immunohistochemistry-Paraffin: Actin (Muscle Specific) Antibody (HHF35 + MSA/953) [NBP2-45275] - Human Rhabdomyosarcoma stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



Immunohistochemistry-Paraffin: Actin (Muscle Specific) Antibody (HHF35 + MSA/953) [NBP2-45275] - Rat Heart stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)



Immunohistochemistry-Paraffin: Actin (Muscle Specific) Antibody (HHF35 + MSA/953) [NBP2-45275] - Rat Lung stained with Muscle Specific Actin Monoclonal Antibody (HHF35 + MSA/953)





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Products Related to NBP2-45275-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
664-LI-025	LIGHT/TNFSF14 [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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