

# Product Datasheet

## alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC- Prediluted NBP2-48132

Unit Size: 7 ml

Store at 4C.

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Updated 10/23/2024 v.20.1

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**NBP2-48132**

alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC-Prediluted

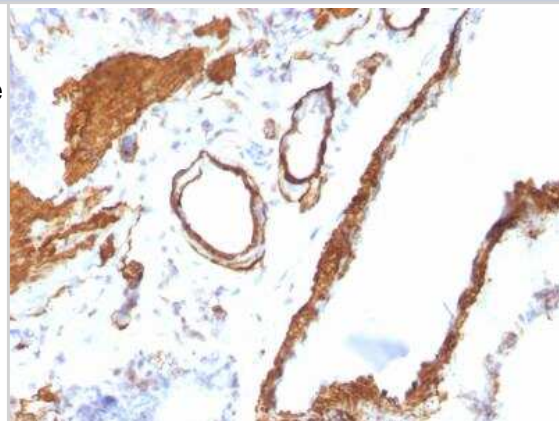
Product Information	
Unit Size	7 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C.
Clonality	Monoclonal
Clone	ACTA2/791
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	42 kDa

Product Description	
Description	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.
Host	Mouse
Gene ID	59
Gene Symbol	ACTA2
Species	Human, Rat
Reactivity Notes	Predicted to show a broad reactivity.
Marker	Leiomyosarcoma Marker
Specificity/Sensitivity	Actin is a major component of the cytoskeleton and is present in most cell types. It is highly specific to actin from smooth muscles. This monoclonal antibody does not stain cardiac or skeletal muscle; however, it does stain myofibroblasts and myoepithelial cells. This antibody could be used together with anti-muscle specific actin and myogenin in making a diagnosis of smooth muscle and skeletal muscle tumors. In most cases of rhabdomyosarcoma, this antibody yields negative results whereas anti-muscle specific actin and myogenin are positive. Leiomyosarcomas are positive only with anti-muscle specific actin and anti-smooth muscle actin and are negative with anti-myogenin.
Immunogen	Recombinant full-length human alpha-Smooth Muscle Actin protein (Uniprot: P62736)

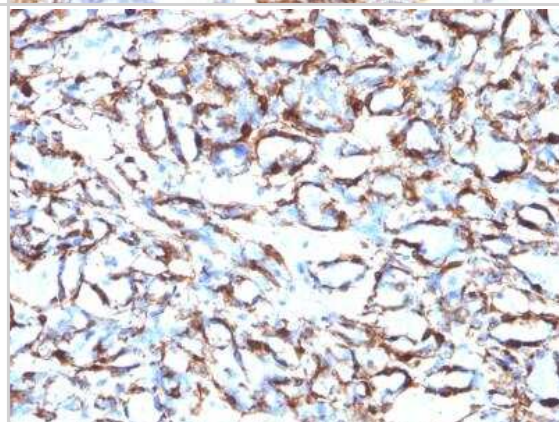
Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry, Immunohistochemistry-Paraffin
Application Notes	Immunohistochemistry (Formalin-fixed): 0.25-0.5ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires 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**

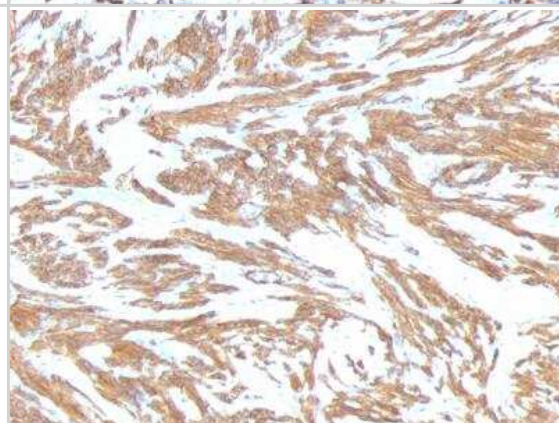
Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC-Prediluted [NBP2-48132] - IHC-Prediluted [NBP2-48132] - Paraffin-embedded Rat Lung stained with alpha-Smooth Muscle Actin Antibody (ACTA2/791).



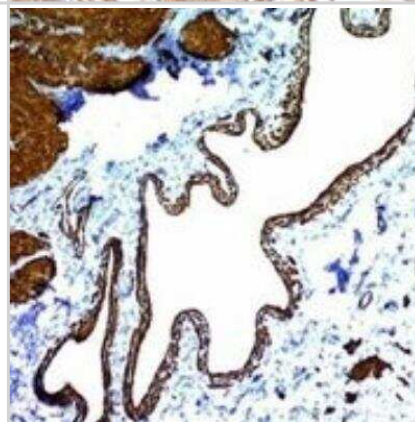
Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC-Prediluted [NBP2-48132] - IHC-Prediluted [NBP2-48132] - Paraffin-embedded Human Angiosarcoma stained with alpha-Smooth Muscle Actin Monoclonal Antibody (ACTA2/791).



Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC-Prediluted [NBP2-48132] - IHC-Prediluted [NBP2-48132] - Paraffin-embedded Human Leiomyosarcoma stained with alpha-Smooth Muscle Actin Monoclonal Antibody (ACTA2/791).



Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody (ACTA2/791) - IHC-Prediluted [NBP2-48132] - IHC-Prediluted [NBP2-48132] - Paraffin-embedded Human colon carcinoma stained with alpha-Smooth Muscle Actin Monoclonal Antibody (ACTA2/791).





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### **Products Related to NBP2-48132**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00000059-P01-10ug	Recombinant Human alpha-Smooth Muscle Actin GST (N-Term) Protein

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### **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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