

# Product Datasheet

## alpha-Smooth Muscle Actin Antibody (0.N.5) NB120-18147

Unit Size: 0.25 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB120-18147****alpha-Smooth Muscle Actin Antibody (0.N.5)****Product Information**

<b>Unit Size</b>	0.25 ml
<b>Concentration</b>	0.04 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	0.N.5
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4) and 0.2% BSA
<b>Target Molecular Weight</b>	42 kDa

**Product Description**

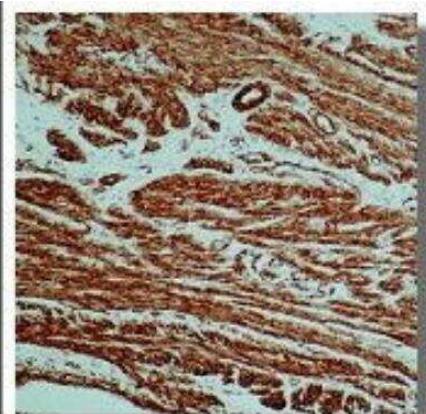
<b>Host</b>	Mouse
<b>Gene ID</b>	59
<b>Gene Symbol</b>	ACTA2
<b>Species</b>	Human, Mouse, Rat, Chicken, Baboon, Rabbit
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
<b>Marker</b>	Mesenchymal Cell Marker
<b>Specificity/Sensitivity</b>	Recognizes the alpha-smooth muscle isoform of actin. Does not react with actin from fibroblasts (b-and g-cytoplasmic), striated muscle (a-sarcomeric), and myocardium (a-myocardial).
<b>Immunogen</b>	Alpha-Smooth Muscle Actin Antibody (0.N.5) is made to N-terminal decapeptide of the Alpha smooth muscle isoform of Actin; acetylated at the N-terminus. The specific epitope is the Acetyl group and the first 4 amino acids on the N-terminal end of the peptide chain of Alpha-smooth Actin. Cellular Localization: Cytoplasmic.

**Product Application Details**

<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:800, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:800

## Images

Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody (0.N.5) [NB120-18147] - Formalin-fixed, paraffin-embedded human leiomyoma for alpha-Smooth Muscle Actin using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of smooth muscle cells.





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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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