

# Product Datasheet

## alpha-Smooth Muscle Actin Antibody **NB600-1434**

Unit Size: 500 uL

Store at 4C. Do not freeze.

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**NB600-1434****alpha-Smooth Muscle Actin Antibody****Product Information**

<b>Unit Size</b>	500 $\mu$ L
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.9% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.6) and 0.2% BSA
<b>Target Molecular Weight</b>	42 kDa

**Product Description**

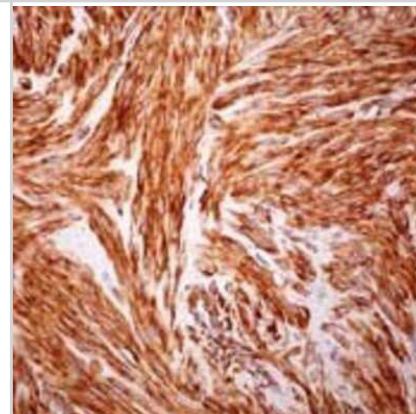
<b>Host</b>	Rabbit
<b>Gene ID</b>	59
<b>Gene Symbol</b>	ACTA2
<b>Species</b>	Human, Mouse, Rat, Bovine, Chicken, Feline, Primate, Rabbit, Sheep
<b>Reactivity Notes</b>	Sheep reactivity reported in scientific literature (PMID: 24176105). Feline reactivity reported in scientific literature (PMID: 22154426).
<b>Marker</b>	Mesenchymal Cell Marker
<b>Immunogen</b>	Alpha-Smooth Muscle Actin Antibody is made to a synthetic peptide from N-terminus of human Alpha-smooth muscle isoform of actin.

**Product Application Details**

<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry 1:25, Immunohistochemistry-Paraffin 1:25, Immunohistochemistry-Frozen
<b>Application Notes</b>	Use in Immunohistochemistry-Frozen reported in scientific literature (PMID: 30126780). Use in Western blot reported in scientific literature (PMID: 31629675).

**Images**

Immunohistochemistry-Paraffin: alpha-Smooth Muscle Actin Antibody [NB600-1434] - Human leiomyoma stained with alpha-Smooth Muscle Actin Antibody using peroxidase-conjugate and AEC. Note cytoplasmic staining of tumor cells.



## Publications

- Zhao F, Evans K et al. Stromal Fibroblasts Mediate Anti-PD-1 Resistance via MMP-9 and Dictate TGF beta Inhibitor Sequencing in Melanoma. *Cancer Immunol Res* 2018-01-12 [PMID: 30209062] (IF/IHC, Mouse)
- Huang F, Wang Q, Guo F et al. FoxO1-mediated inhibition of STAT1 alleviates tubulointerstitial fibrosis and tubule apoptosis in diabetic kidney disease *EBioMedicine* 2019-10-16 [PMID: 31629675] (WB, Human)
- Pfaff MJ, Mukhopadhyay S, Hoofnagle M et al. Tumor suppressor protein p53 negatively regulates ischemia-induced angiogenesis and arteriogenesis *J. Vasc. Surg.* 2018-08-17 [PMID: 30126780] (IHC-Fr, Mouse)
- Dafni H, Burghardt AJ, Majumdar S, Navone NM, Ronen SM. Vascular patterning and permeability in prostate cancer models with differing osteogenic properties. *NMR Biomed.* 2011-12-02 [PMID: 22134886] (IF/IHC, Mouse)



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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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