

Product Datasheet

alpha-Smooth Muscle Actin Antibody (1A4) NB600-536

Unit Size: 0.5 ml

Store at 4C. Do not freeze.

www.novusbio.com



technical@novusbio.com

Publications: 9

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-536

Updated 9/11/2024 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB600-536



NB600-536

alpha-Smooth Muscle Actin Antibody (1A4)

Product Information	
Unit Size	0.5 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	1A4
Preservative	Sodium Azide
Isotype	IgG2a Kappa
Purity	Tissue culture supernatant
Buffer	20mM Tris-Borate and 0.15M NaCl
Product Description	
Host	Mouse
Gene ID	59
Gene Symbol	ACTA2
Species	Human
Marker	Mesenchymal Cell Marker
Specificity/Sensitivity	This antibody is specific to ALPHA-smooth muscle isoform of actin. It reacts with smooth muscle cells of vessels and different parenchymes. This antibody does not cross-react with BETA and GAMMA-cytoplasmic, ALPHA-sarcomeric and ALPHA-myocardial actin isoforms
Immunogen	The N-terminal decapeptide of alpha-smooth muscle actin.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Use in IHC-F and ICC/IF was reported in the scientific literature (PMID: 23840612).Use in Western blot reported in scientific literature (PMID 24736615)



Publications

Lee M, Kim H, Kwak I et al. Immunohistochemical Analysis of Postburn Scars following Treatment Using Dermal Substitutes Analytical Cellular Pathology 2022-02-25 [PMID: 35251908] (IHC-P)

Tai Y, Zhao C, Gao J Et al. Identification of miRNA-target gene regulatory networks in liver fibrosis based on bioinformatics analysis PeerJ 2021-08-06 [PMID: 34434654] (WB, ICC/IF, Human)

Solari E, Marcozzi C, Bistoletti M et al. TRPV4 channels dominant role in the temperature modulation of intrinsic contractility and lymph flow of rat diaphragmatic lymphatics Am. J. Physiol. Heart Circ. Physiol. 2020-07-24 [PMID: 32706268]

Solari E, Marcozzi C, Bartolini B et al. Acute Exposure of Collecting Lymphatic Vessels to Low-Density Lipoproteins Increases Both Contraction Frequency and Lymph Flow: An In Vivo Mechanical Insight Lymphat Res Biol 2019-09-17 [PMID: 31526222]

Baligar P, Mukherjee S, Kochat V et al. Molecular and Cellular Functions Distinguish Superior Therapeutic Efficiency of Bone Marrow CD45 Cells over Mesenchymal Stem Cells in Liver Cirrhosis. Stem Cells 2015-09-21 [PMID: 26389810]

Nobili V, Alisi A, Cutrera R et al. Altered gut-liver axis and hepatic adiponectin expression in OSAS: novel mediators of liver injury in paediatric non-alcoholic fatty liver Thorax. 2015-06-11 [PMID: 26069285]

Renga B, Francisci D, Schiaroli E et al. The HIV Matrix Protein p17 Promotes the Activation of Human Hepatic Stellate Cells through Interactions with CXCR2 and Syndecan-2. PLoS ONE 2014-04-16 [PMID: 24736615] (IHC-P, ICC/IF, WB, Human)

Qu X, Zhu W, Huang S et al. Relative impact of uniaxial alignment vs. form-induced stress on differentiation of human adipose derived stem cells. Biomaterials. 2013-09-20 [PMID: 24060419] (ICC/IF, Human)

Alisi A, Ceccarelli S, Panera N et al. Association between Serum Atypical Fibroblast Growth Factors 21 and 19 and Pediatric Nonalcoholic Fatty Liver Disease. PLoS One 2013-06-26 [PMID: 23840612] (ICC/IF, IHC-Fr, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-
techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB600-536

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

