

# Product Datasheet

## Integrin alpha 7 Antibody - BSA Free NBP1-86118

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



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**NBP1-86118**

Integrin alpha 7 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

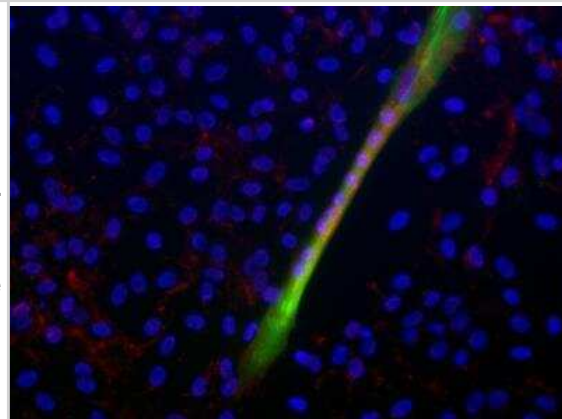
Product Description	
<b>Description</b>	Novus Biologicals Rabbit Integrin alpha 7 Antibody - BSA Free (NBP1-86118) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Integrin alpha 7 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	3679
<b>Gene Symbol</b>	ITGA7
<b>Species</b>	Human, Mouse, Bovine
<b>Reactivity Notes</b>	Use in Mouse reported in scientific literature (PMID:33686208). Bovine reactivity reported from a verified customer review.
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: FACPLSLEETDCYRVDIDQGADMQKESKENQWLGVSVRSQGPGGKIVTCAHR YEARQRVDQILETRDMIGRCFVLSQDLAIRDELDDGGEWKFCF

Product Application Details	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

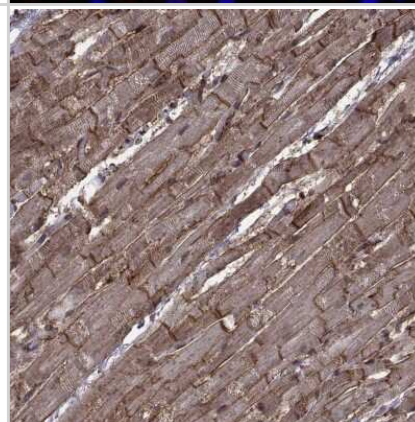


## Images

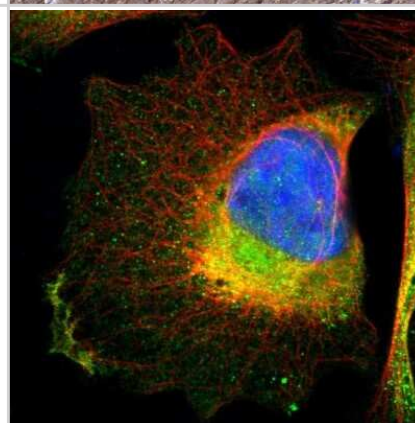
Immunocytochemistry/Immunofluorescence: Integrin alpha 7 Antibody [NBP1-86118] - Blue (Dapi), Red (Integrin alpha 7), Green (skeletal muscle Myosin). Mononucleated cells containing satellite cells and fibroblasts were isolated from bovine skeletal muscle tissue and induced for myogenic differentiation. Cells were fixed in methanol and stained using anti-myosin antibody and anti-Integrin a7 (#NBP1-86118) antibody. Corresponding secondary antibodies were used to visualize the result. Strong integrin a7 signal was observed in myotubes. But some weaker signals were also observed in fibroblasts which are known to be negative for it. Image submitted by a verified customer review.



Immunohistochemistry-Paraffin: Integrin alpha 7 Antibody [NBP1-86118] - Staining of human heart muscle shows cytoplasmic and membranous positivity in myocytes.



Immunocytochemistry/Immunofluorescence: Integrin alpha 7 Antibody [NBP1-86118] - Staining of human cell line U-2 OS shows localization to plasma membrane & cytosol. Antibody staining is shown in green.



## Publications

Gonzalez Porras MA, Stojkova K, Vaicik MK et al. Integrins and extracellular matrix proteins modulate adipocyte thermogenic capacity Scientific reports 2021-03-08 [PMID: 33686208] (IF/IHC, Mouse)



### **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

### **Products Related to NBP1-86118**

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NBP1-86118PEP	Integrin alpha 7 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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