

# 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**

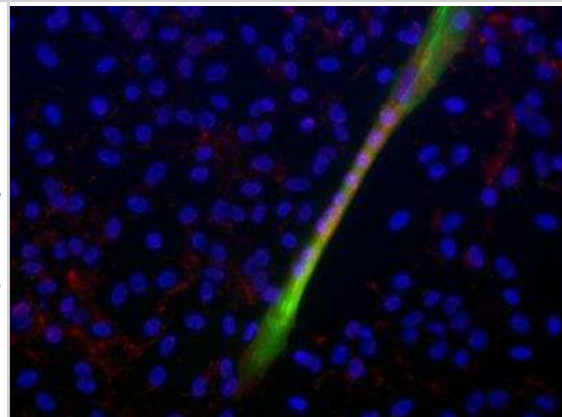
Integrin alpha 7 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	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.
Host	Rabbit
Gene ID	3679
Gene Symbol	ITGA7
Species	Human, Mouse, Bovine
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:33686208). Bovine reactivity reported from a verified customer review.
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: FACPLSLEETDCYRVDIDQGADMQKESKENQWLGVSVRSQGPGGKIVTCAHR YEARQRVDQILETRDMIGRCFVLSQDLAIRDELDDGGEWKFCF
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

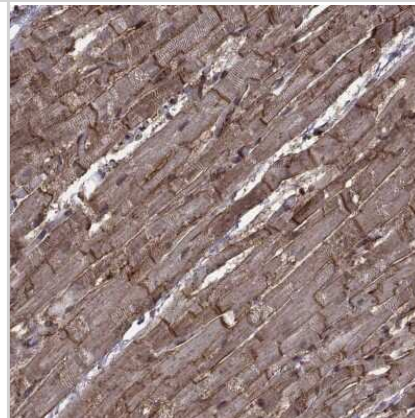


## Images

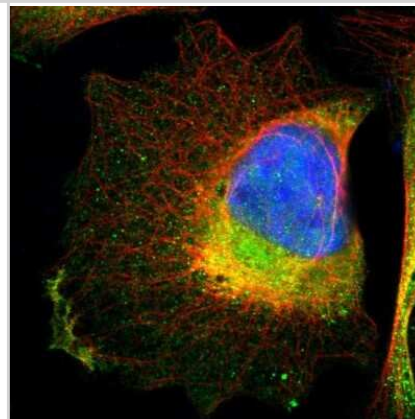
Immunocytochemistry/Immunofluorescence: Integrin alpha 7 Antibody [NBP1-86118] - Blue (Dapi), Red (Integrin alpha 7), Green (skeletal muscle Myosin). Mononucleated cells containing satellite cells and fibroblasts were isolated from bovine skeletal muscle tissue and induced for myogenic differentiation. 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)



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### **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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