

# Product Datasheet

## actin-related protein 2/3 complex subunit 1B Antibody - BSA Free NBP1-90114

Unit Size: 0.1 ml

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

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### Publications: 4

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**NBP1-90114**

actin-related protein 2/3 complex subunit 1B Antibody - BSA Free

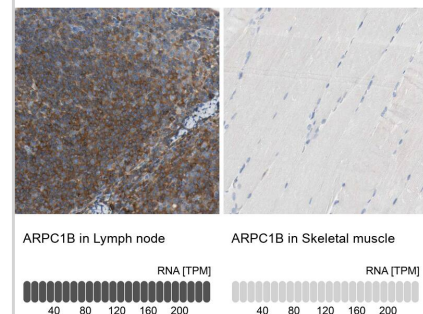
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	41 kDa

Product Description	
Host	Rabbit
Gene ID	10095
Gene Symbol	ARPC1B
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: TVCLADADKKMAVATLASETLPLLALTFITDNSLVAAGHDCFPVLFTYDAAAGML SFGGRLDVPKQSSQRGLTARERFQNLDKKASSEGGTAAGAGLDSLHKNSVSQ ISVLSGGKAKCSQFCTTGMDGGMSIWDVKSLESA

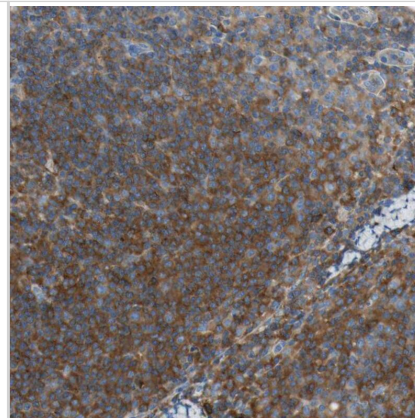
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 26655834). , Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

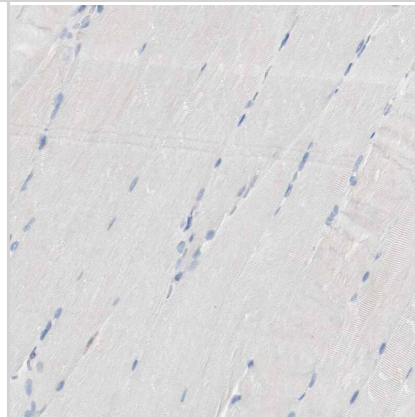
Analysis in human lymph node and skeletal muscle tissues using NBP1-90114 antibody. Corresponding ARPC1B RNA-seq data are presented for the same tissues.



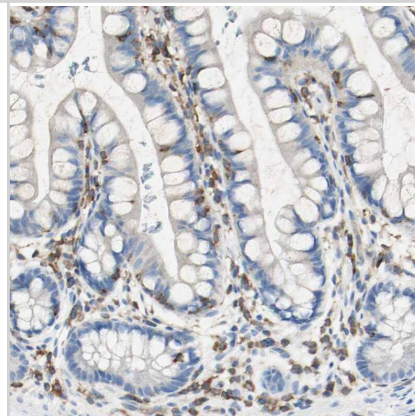
Staining of human lymph node shows strong cytoplasmic positivity in germinal center cells.



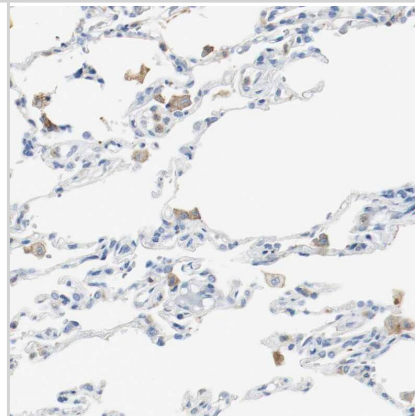
Staining of human skeletal muscle shows no positivity in myocytes as expected.



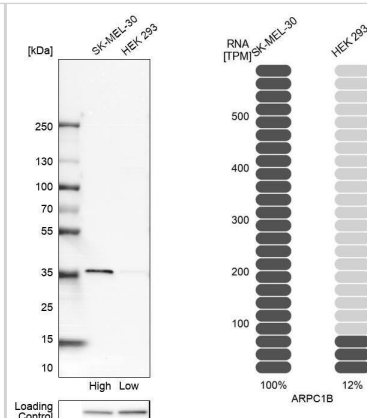
Staining of human small intestine shows moderate cytoplasmic positivity in lymphoid cells.



Staining of human lung shows weak cytoplasmic positivity in macrophages.



Analysis in human cell lines SK-MEL-30 and HEK293 using Anti-ARPC1B antibody. Corresponding ARPC1B RNA-seq data are presented for the same cell lines. Loading control: Anti-HDAC1.



## Publications

Faris R, McCullough A, Andersen SE et al. The Chlamydia trachomatis secreted effector TmeA hijacks the N-WASP-ARP2/3 actin remodeling axis to facilitate cellular invasion PLoS pathogens 2020-09-01 [PMID: 32946535] (ICC/IF, Human)

Sun W, Yang J, Hong Y et al. Lanthanum Chloride Impairs Learning and Memory and Induces Dendritic Spine Abnormality by Down-Regulating Rac1/PAK Signaling Pathway in Hippocampus of Offspring Rats Cell. Mol. Neurobiol. 2019-11-27 [PMID: 31776842] (WB)

Somech R, Lev A, Lee YN et al. Disruption of Thrombocyte and T Lymphocyte Development by a Mutation in ARPC1B J. Immunol. 2017-11-10 [PMID: 29127144] (Human)

Jasmine V. G. Abella, Chiara Galloni, Julien Pernier et al. Isoform diversity in the Arp2/3 complex determines actin filament dynamics. Nature Cell Biology 2016-01-18 [PMID: 26655834] (ICC/IF, WB, Human)



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### **Products Related to NBP1-90114**

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NBP1-90114PEP	actin-related protein 2/3 complex subunit 1B 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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