

# Product Datasheet

## HspB7 Antibody - BSA Free

### NBP1-84334

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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#### Publications: 2

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**NBP1-84334**

HspB7 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

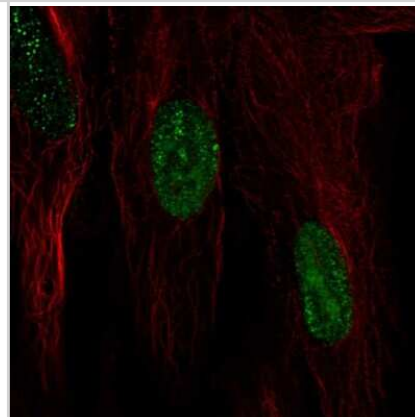
Product Description	
<b>Description</b>	Novus Biologicals Rabbit HspB7 Antibody - BSA Free (NBP1-84334) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-HspB7 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	27129
<b>Gene Symbol</b>	HSPB7
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: SPEDIIVTTSNNHIEVRAEKLAADGTVMNTFAHKCQLPEDVDPTSVTSALREDG SLTIRARRHPHTEHVQQTFRTEIK

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.



## Images

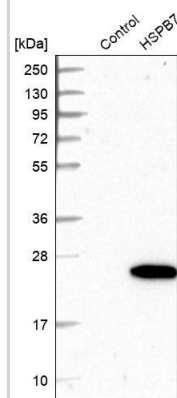
Immunocytochemistry/Immunofluorescence: HspB7 Antibody [NBP1-84334] - Immunofluorescent staining of human cell line BJ shows localization to nucleoplasm.



Immunohistochemistry-Paraffin: HspB7 Antibody [NBP1-84334] - Staining of human skeletal muscle shows strong cytoplasmic positivity in myocytes.



Analysis in control (vector only transfected HEK293T lysate) and HSPB7 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells, LY415289).



## Publications

Wang Z, Cao G, Collier M et al. Filamin C dimerisation is regulated by HSPB7. Nature Communications 2025-05-02 [PMID: 40312381]

Zhang S, van de Peppel J, Koedam M et al. HSPB7 oppositely regulates human mesenchymal stromal cell-derived osteogenesis and adipogenesis Stem cell research & therapy 2023-05-11 [PMID: 37170285] (ICC/IF, Human)

Details:

Dilution: 1:1000



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### **Products Related to NBP1-84334**

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NBP1-84334PEP	HspB7 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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