

# Product Datasheet

## alpha-Actinin 1 Antibody (A1G2-R) NBP3-32030

Unit Size: 100 ul

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

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**NBP3-32030**

## alpha-Actinin 1 Antibody (A1G2-R)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	A1G2-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	103 kDa

Product Description	
Description	Novus Biologicals Mouse alpha-Actinin 1 Antibody (A1G2-R) (NBP3-32030) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	87
Gene Symbol	ACTN1
Species	Human, Mouse, Rat
Immunogen	Recombinant protein within Human alpha-Actinin 1 aa 388-619 / 892. (Uniprot: P12814)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:5000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:6000



## Images

Western Blot: alpha-Actinin 1 Antibody (A1G2-R) [NBP3-32030] - Western blot analysis of alpha-Actinin 1 on different lysates with Mouse anti-alpha-Actinin 1 antibody (NBP3-32030) at 1/5,000 dilution.

Lane 1: HeLa cell lysate  
 Lane 2: A431 cell lysate  
 Lane 3: A549 cell lysate  
 Lane 4: HepG2 cell lysate  
 Lane 5: MCF7 cell lysate  
 Lane 6: NIH/3T3 cell lysate  
 Lane 7: PC-12 cell lysate  
 Lane 8: C6 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 103 kDa  
 Observed band size: 103 kDa

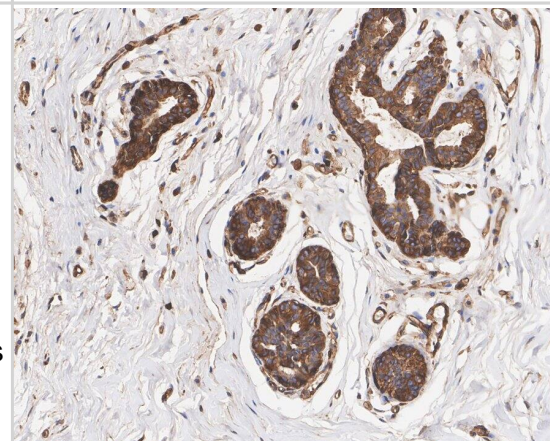
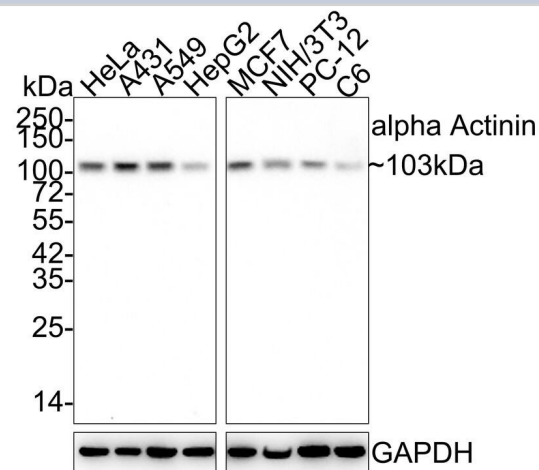
Exposure time: 3 minutes;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32030) at 1/5,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: alpha-Actinin 1 Antibody (A1G2-R) [NBP3-32030] - Immunohistochemical analysis of paraffin-embedded human breast tissue with Mouse anti-alpha-Actinin 1 antibody (NBP3-32030) at 1/6,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32030) at 1/6,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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### **Products Related to NBP3-32030**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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