

# Product Datasheet

## Calponin 1 Antibody (CNN1/4227R) - Azide and BSA Free NBP3-08462

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP3-08462](http://www.novusbio.com/NBP3-08462)

Updated 7/16/2024 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP3-08462](http://www.novusbio.com/reviews/destination/NBP3-08462)



**NBP3-08462**

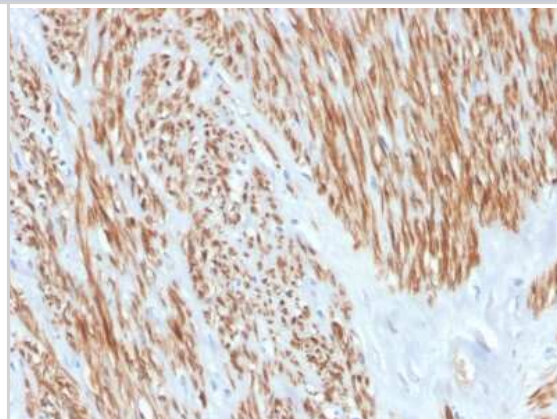
Calponin 1 Antibody (CNN1/4227R) - Azide and BSA Free

| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ug   |
| Concentration               | 1 mg/ml  |
| Storage                     | Store at -20 to -80C. Avoid freeze-thaw cycles.  |
| Clonality                   | Monoclonal   |
| Clone                       | CNN1/4227R   |
| Preservative                | No Preservative  |
| Isotype                     | IgG  |
| Purity                      | Protein A or G purified  |
| Buffer                      | 10 mM PBS  |
| Target Molecular Weight     | 33 kDa   |
| Product Description         |  |
| Description                 | 1.0 mg/ml of antibody purified by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP3-07589).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.   |
| Host                        | Rabbit   |
| Gene ID                     | 1264   |
| Gene Symbol                 | CNN1   |
| Species                     | Human  |
| Marker                      | Smooth Muscle Marker   |
| Specificity/Sensitivity     | Calponin a 33 kDa polypeptide, is a cytoskeleton-associated actin-binding protein that also interacts tropomyosin and calmodulin. Calponin antibody has been found to be useful as a marker for myoepithelial and basal lamina in differentiating microinvasive from in situ ductal carcinomas of the breast. Calponin antibody may also have applications in malignant myoepithelium and pleomorphic adenoma of salivary gland as well as a useful marker for fine needle aspirates of papillary breast lesions. The antibody has been found in tissue extracts from smooth muscle, but not in fibroblast extracts. |
| Immunogen                   | Synthetic peptide corresponding to residues on the C-terminus of human Calponin 1 was used as an immunogen. (Uniprot: P51911)  |
| Product Application Details |  |
| Applications                | Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Immunohistochemistry-Paraffin 1-2 ug/ml  |
| Application Notes           | Immunohistochemistry Formalin-fixed: 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.  |

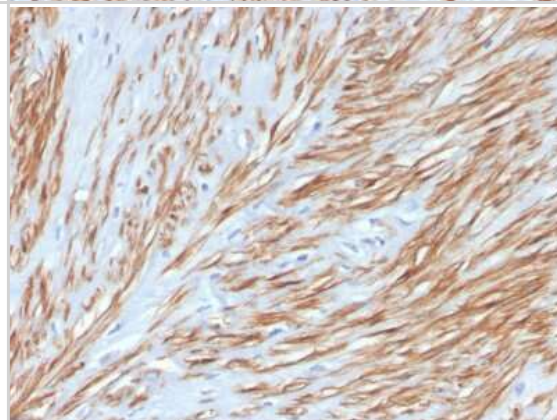


## Images

Immunohistochemistry-Paraffin: Calponin 1 Antibody (CNN1/4227R) - Azide and BSA Free [NBP3-08462] - Formalin-fixed, paraffin-embedded human leiomyosarcoma stained with Calponin 1 Rabbit Recombinant Monoclonal Antibody (CNN1/4227R).



Immunohistochemistry-Paraffin: Calponin 1 Antibody (CNN1/4227R) - Azide and BSA Free [NBP3-08462] - Formalin-fixed, paraffin-embedded human leiomyosarcoma stained with Calponin 1 Rabbit Recombinant Monoclonal Antibody (CNN1/4227R).





### **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 NBP3-08462**

---

|                  |   |
|------------------|---|
| HAF008           | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160           | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891       | Rabbit IgG Isotype Control                          |
| NBP1-98945-100ug | Recombinant Human Calponin 1 His Protein            |

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP3-08462](http://www.novusbio.com/reviews/submit/NBP3-08462)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

