

# Product Datasheet

## Cathepsin B Antibody - BSA Free NBP1-86048

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)



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

### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-86048](http://www.novusbio.com/NBP1-86048)

Updated 12/2/2025 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/NBP1-86048](http://www.novusbio.com/reviews/destination/NBP1-86048)



**NBP1-86048****Cathepsin B Antibody - BSA Free**

<b>Product Information</b>	
<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

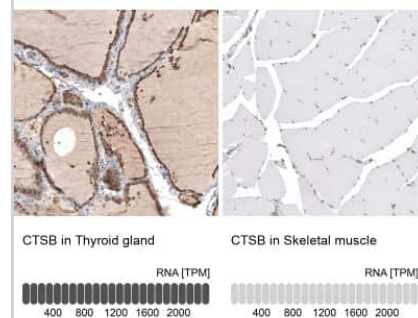
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit Cathepsin B Antibody - BSA Free (NBP1-86048) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-Cathepsin B Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	1508
<b>Gene Symbol</b>	CTSB
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: DELVNYVVKRNTTWQAGHNFYNVDMSYLRKLCGTFLLGGPKPPQRVMFTEDLK LPASFDAREQWPQCPTIKEIRDQGSQSCGSCWAFGAVEAISDRICHTNAHVSVEV SAEDLLTCCGSMCGDGCNGGYPA

<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: PFA/Triton X-100

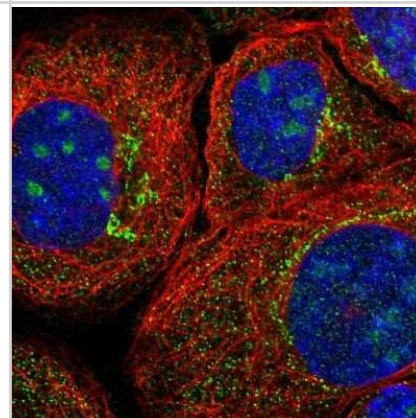


## Images

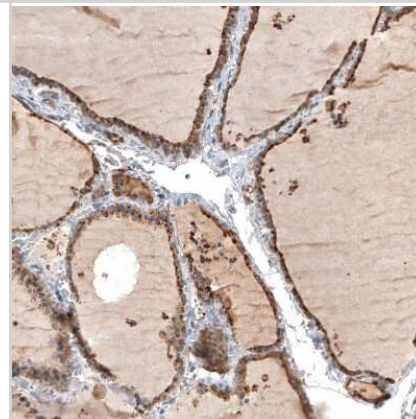
Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining in human thyroid gland and skeletal muscle tissues . Corresponding CTSB RNA-seq data are presented for the same tissues.



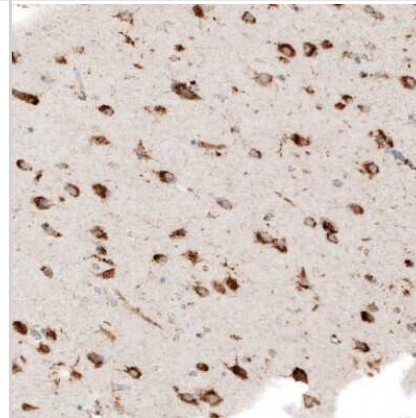
Immunocytochemistry/Immunofluorescence: Cathepsin B Antibody [NBP1-86048] - Staining of human cell line A-431 shows localization to nucleoli & vesicles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human thyroid gland shows moderate granular cytoplasmic positivity in glandular cells.



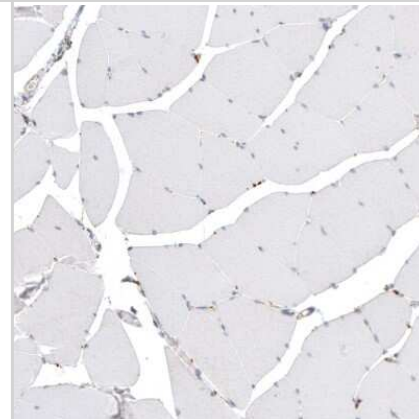
Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human cerebral cortex shows granular cytoplasmic positivity in neuronal cells.



Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human lung shows cytoplasmic positivity in macrophages.



Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



## Publications

Perisic L, Hedin E, Razuvaev A et al. Profiling of atherosclerotic lesions by gene and tissue microarrays reveals PCSK6 as a novel protease in unstable carotid atherosclerosis. *Arterioscler Thromb Vasc Biol* 2013-10-01 [PMID: 23908247]

Wang H, Chen Y, Fernandez-Del Castillo C et al. Heterogeneity in signaling pathways of gastroenteropancreatic neuroendocrine tumors: a critical look at notch signaling pathway. *Mod Pathol* 2013-01-01 [PMID: 22918166]



### **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 NBP1-86048**

---

NBP1-86048PEP	Cathepsin B 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

---

### **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/NBP1-86048](http://www.novusbio.com/reviews/submit/NBP1-86048)

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

