

# 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)



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### Publications: 2

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**NBP1-86048**

Cathepsin B Antibody - BSA Free

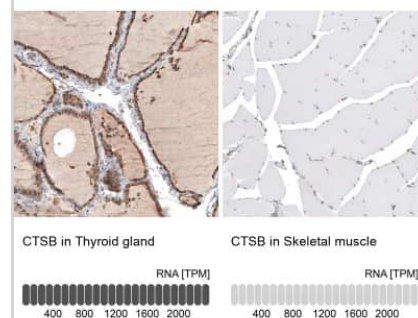
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal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

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1508
<b>Gene Symbol</b>	CTSB
<b>Species</b>	Human
<b>Reactivity Notes</b>	Reactivity reported in scientific literature (PMID: 22918166)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: DELVNYVNKRNTTWQAGHNFYNVDMSYLKRLCGTFLGGPKPPQRVMFTEDLK LPASFDAREQWPQCPTIKEIRDQGSQSCWAFGAVEAISDRICHTNAHVSVEV SAEDLLTCCGSMCGDGCNGGYPA

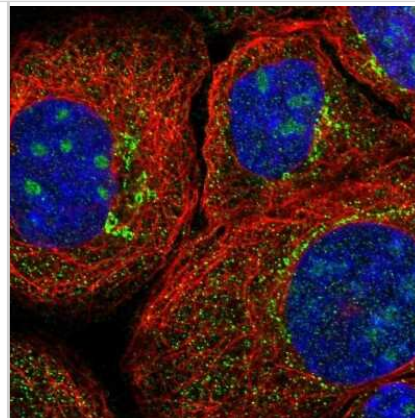
Product Application Details	
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000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

**Images**

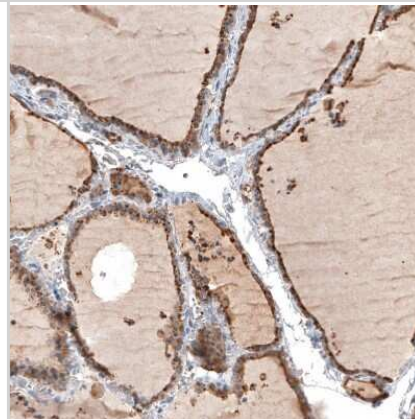
Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining in human thyroid gland and skeletal muscle tissues . Corresponding CTSB RNA-seq data are presented for the same tissues.



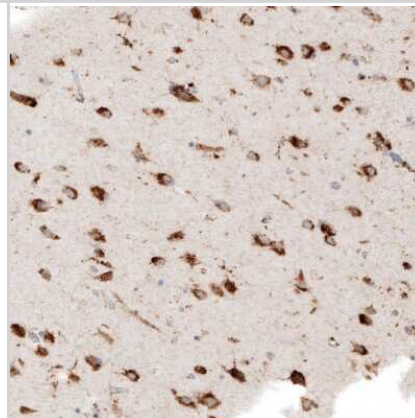
Immunocytochemistry/Immunofluorescence: Cathepsin B Antibody [NBP1-86048] - Staining of human cell line A-431 shows localization to nucleoli & vesicles. Antibody staining is shown in green.



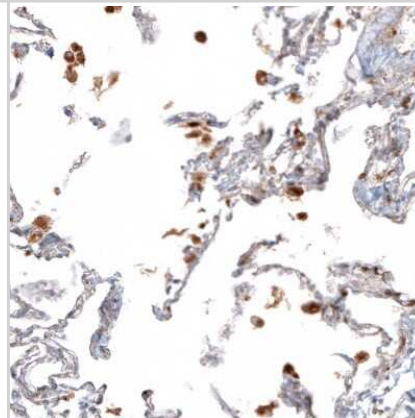
Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human thyroid gland shows moderate granular cytoplasmic positivity in glandular cells.



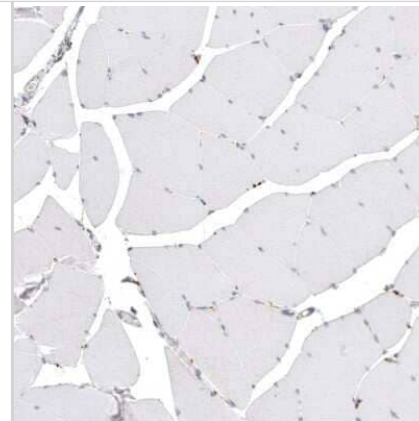
Immunohistochemistry-Paraffin: Cathepsin B Antibody [NBP1-86048] - Staining of human cerebral cortex shows granular cytoplasmic positivity in neuronal cells.



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]



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### **Products Related to NBP1-86048**

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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

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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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