

# Product Datasheet

## Cathepsin G Antibody - BSA Free NBP2-33498

Unit Size: 0.1 ml

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

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### Publications: 6

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**NBP2-33498**

Cathepsin G Antibody - BSA Free

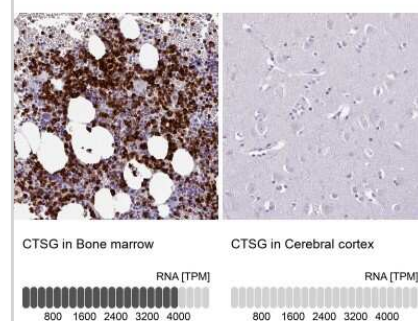
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	1511
Gene Symbol	CTSG
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: GRVSMRRGDTLREVQLRVQRDRQCLRIFGSYDPRRQICVDRRERKAAFK

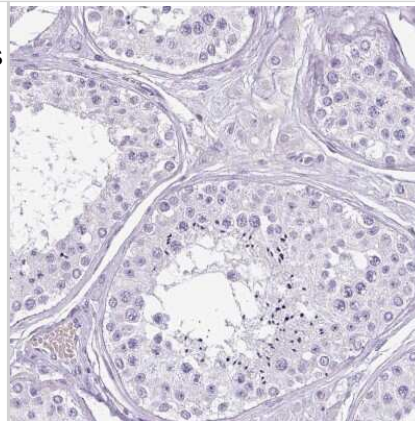
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID:34428252), Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

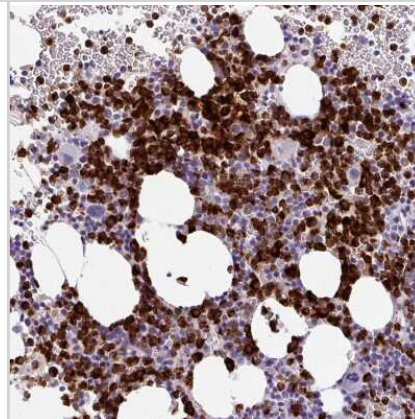
Immunohistochemistry-Paraffin: Cathepsin G Antibody [NBP2-33498] - Analysis in human bone marrow and cerebral cortex tissues. Corresponding Cathepsin G RNA-seq data are presented for the same tissues.



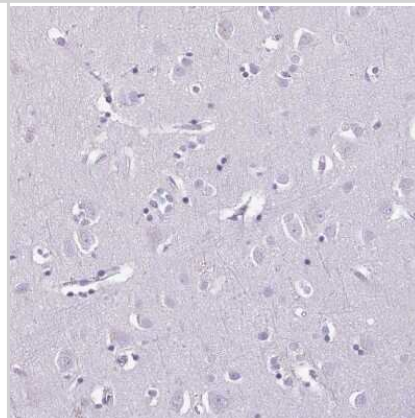
Immunohistochemistry-Paraffin: Cathepsin G Antibody [NBP2-33498] - Staining of human testis shows no positivity in cells in seminiferous ducts as expected.



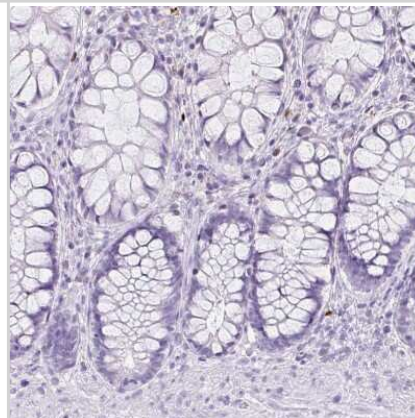
Immunohistochemistry-Paraffin: Cathepsin G Antibody [NBP2-33498] - Staining of human bone marrow shows strong cytoplasmic positivity in hematopoietic cells.



Immunohistochemistry-Paraffin: Cathepsin G Antibody [NBP2-33498] - Staining of human cerebral cortex shows no positivity in neurons as expected.



Immunohistochemistry-Paraffin: Cathepsin G Antibody [NBP2-33498] - Staining of human rectum shows no positivity in glandular cells as expected.



## Publications

Felix Humphries, Bridget Chang-McDonald, Josie Patel, Nicholas Bockett, Erin Paterson, Paul F. Davis, Swee T. Tan  
Cathepsins B, D, and G Are Expressed in Metastatic Head and Neck Cutaneous Squamous Cell Carcinoma *Frontiers in Oncology* 2021-09-21 [PMID: 34621666] (Immunohistochemistry, Human)

Hansen L, Brasch HD, Paterson E Et al. Expression of Cathepsins B, D, and G in Extracranial Arterio-Venous Malformation *Frontiers in surgery* 2021-08-02 [PMID: 34409065] (Immunohistochemistry, Human)

Wang X, Liu Q, Zhuang Z, Cheng J et Al. Decoding the pathogenesis of spermatogenic failure in cryptorchidism through single-cell transcriptomic profiling *Cell Rep Med* 2024-09-03 [PMID: 39226895]

Munro MJ, Peng L, Wickremesekera SK, Tan ST Colon adenocarcinoma-derived cells possessing stem cell function can be modulated using renin-angiotensin system inhibitors *PloS one* 2021-08-24 [PMID: 34428252] (ICC/IF, IF/IHC)

Munoz LE, Boeltz S, Bilyy R et al. Neutrophil Extracellular Traps Initiate Gallstone Formation *Immunity* 2019-08-09 [PMID: 31422870]

Johnston Andrew, Xing Xianying, Wolterink Liza et al. IL-1 and IL-36 are dominant cytokines in generalized pustular psoriasis. *The Journal of Allergy and Clinical Immunology* 2017-01-01 [PMID: 28043870] (IF/IHC, Human)





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### **Products Related to NBP2-33498**

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NBP2-33498PEP	Cathepsin G 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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