

# Product Datasheet

## Chymase/CMA1/Mast Cell Chymase Antibody NBP2-27551

Unit Size: 0.1 mg

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

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



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

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP2-27551](http://www.novusbio.com/NBP2-27551)

Updated 9/9/2025 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/NBP2-27551](http://www.novusbio.com/reviews/destination/NBP2-27551)



**NBP2-27551****Chymase/CMA1/Mast Cell Chymase Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. 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>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

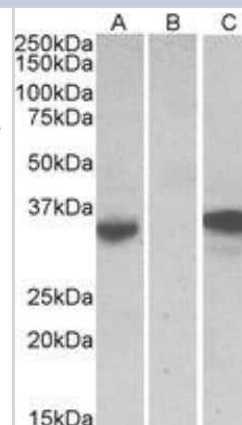
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Goat Chymase/CMA1/Mast Cell Chymase Antibody (NBP2-27551) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-Chymase/CMA1/Mast Cell Chymase Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Goat
<b>Gene ID</b>	1215
<b>Gene Symbol</b>	CMA1
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-QFRHPKYNTSTLHHD corresponding to internal region according to NP_001827.1.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.5 - 1 ug/mL, Immunohistochemistry 1.5 ug/mL, Immunohistochemistry-Paraffin 1.5 ug/mL, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	WB: In transfected HEK293 transiently expressing full-length human CMA1 (myc and DYKDDDDK tagged), a band of approx. 35 kDa band was observed. No bands were observed in mock-transfected HEK293 and the same band was observed using anti-DYKDDDDK tag antibody. IHC-P: Human skin shows staining on the apical side of the basal cell layer from the Epidermis.

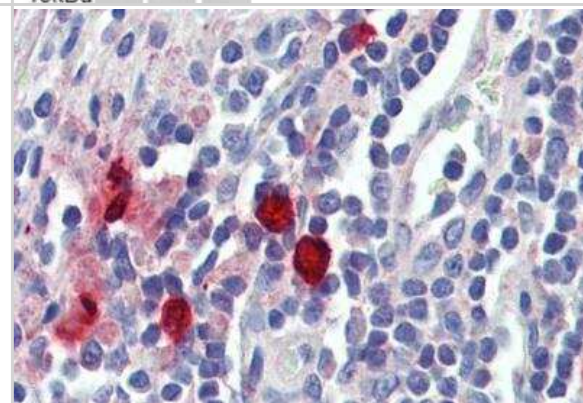


## Images

**Western Blot: Chymase/CMA1/Mast Cell Chymase Antibody [NBP2-27551]** - HEK293 lysate (10 ug protein in RIPA buffer) over expressing Human CMA1 with DYKDDDDK tag probed with NBP2-27551 (0.5 ug/mL) in Lane A and probed with anti-DYKDDDDK Tag (1:3000) in lane C. Mock-transfected HEK293 probed with NBP2-27551 (1 mg/mL) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.



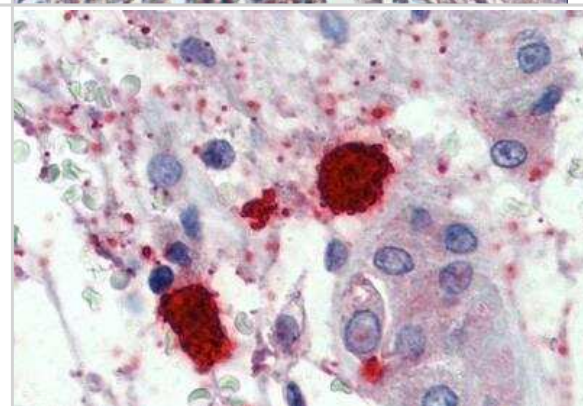
**Immunohistochemistry-Paraffin: Chymase/CMA1/Mast Cell Chymase Antibody [NBP2-27551]** - Staining of paraffin embedded Human Tonsil (Mast cells). Antibody at 1.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



**Immunohistochemistry-Paraffin: Chymase/CMA1/Mast Cell Chymase Antibody [NBP2-27551]** - Staining of human skin Epidermis shows detection on the apical side of the basal cell layer.



**Immunohistochemistry-Paraffin: Chymase/CMA1/Mast Cell Chymase Antibody [NBP2-27551]** - Staining of paraffin embedded Human Testis (Mast cells). Antibody at 1.5 ug/mL. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Heikkila HM, Latti S, Leskinen MJ et al. Activated mast cells induce endothelial cell apoptosis by a combined action of chymase and tumor necrosis factor-alpha Arterioscler Thromb Vasc Biol 2008-02-01 [PMID: 18079408]



### **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 NBP2-27551**

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-33660PEP	Chymase/CMA1/Mast Cell Chymase Recombinant Protein Antigen

### **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/NBP2-27551](http://www.novusbio.com/reviews/submit/NBP2-27551)

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



