

# Product Datasheet

## Caspase-1 Antibody - BSA Free NB100-56564

Unit Size: 0.1 mg

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: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-56564](http://www.novusbio.com/NB100-56564)

Updated 2/21/2025 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/NB100-56564](http://www.novusbio.com/reviews/destination/NB100-56564)



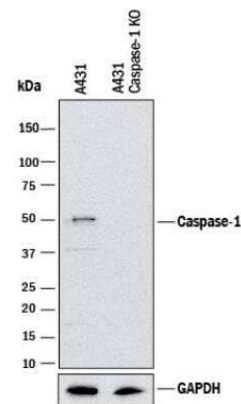
**NB100-56564**

Caspase-1 Antibody - BSA Free

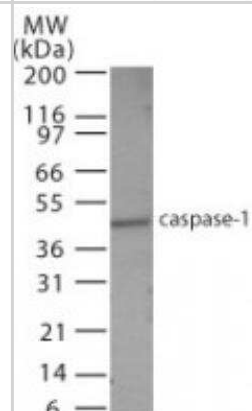
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	45.2 kDa
Product Description	
Host	Rabbit
Gene ID	834
Gene Symbol	CASP1
Species	Human, Mouse
Reactivity Notes	Porcine (85%), Rabbit (85%) and Canine (70%).
Specificity/Sensitivity	Caspase-1 Antibody recognizes full-length Caspase-1.
Immunogen	Caspase-1 Antibody was developed against a synthetic peptide made to an internal portion of the human Caspase-1 protein (between amino acids 15-60) [UniProt P29466].
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 0.5-2 ug/ml, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500, Knockout Validated

## Images

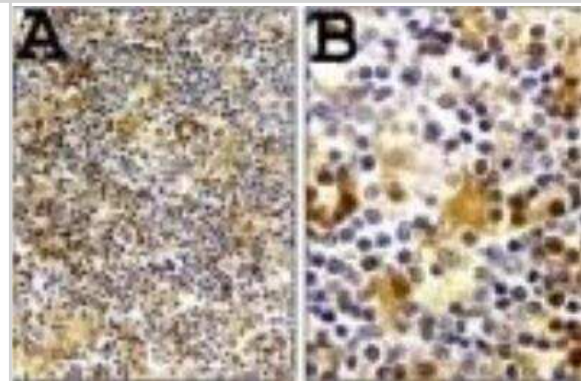
Western Blot: Caspase-1 Antibody [NB100-56564] - Human epidermoid carcinoma parental cell line and Caspase-1 knockout (KO) A431 cell line. PVDF membrane was probed with 0.5 ug/ml of Mouse Anti-Human Caspase-1 Monoclonal Antibody (Catalog # NB100-56564) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog #HAF018). Specific band was detected for Caspase-1 at approximately 50 kDa (as indicated) in the parental A431 cell line, but is not detectable in the knockout A431 cell line. This experiment was conducted under reducing conditions.



Western Blot: Caspase-1 Antibody [NB100-56564] - Analysis of Caspase-1 using a polyclonal antibody. Human HeLa lysate probed with Caspase-1 antibody at 0.5 ug/ml.



Immunohistochemistry-Paraffin: Caspase-1 Antibody [NB100-56564] - Human reactive lymph node stained for Caspase-1 expression (NB100-56564) using a DAB chromogen and Hematoxylin counterstain. B is a higher magnification of A. Staining in macrophages is observed.



## Publications

Kariya S, Okano M, Zhao P et al. Role of Macrophage Migration Inhibitory Factor in NLRP3 Inflammasome Expression in Otitis Media Otology & Neurotology 2020-03-01 [PMID: 31821259] (Immunohistochemistry)

Zhou J, Zhang C, Fang X et al. Activation of autophagy inhibits the activation of NLRP3 inflammasome and alleviates sevoflurane induced cognitive dysfunction in elderly rats Research Square 2022-08-10 [PMID: 36709248] (WB, Rat)

Dumas A, Amiabile N, de Rivero Vaccari JP et al. The Inflammasome Pyrin Contributes to Pertussis Toxin-Induced IL-1B Synthesis, Neutrophil Intravascular Crawling and Autoimmune Encephalomyelitis. PLoS Pathog. 2014-05-01 [PMID: 24875775] (WB, Mouse)

Details:  
Fig 4c, d: peritoneal leukocytes



### **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 NB100-56564**

---

NB800-PC1	HeLa Whole Cell Lysate
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/NB100-56564](http://www.novusbio.com/reviews/submit/NB100-56564)

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

