

Product Datasheet

Caspase-1 Antibody - BSA Free NB100-56564SS

Unit Size: 0.025 mg

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

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NB100-56564SS

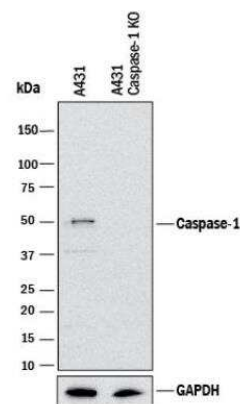
Caspase-1 Antibody - BSA Free

Product Information	
Unit Size	0.025 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

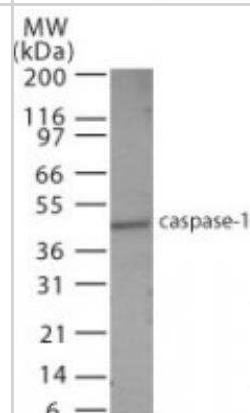


Images

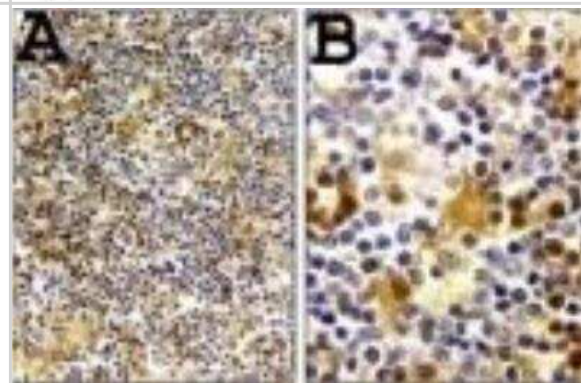
Western Blot: Caspase-1 Antibody [NB100-56564] - Human epidermoid carcinoma parental cell line and Caspase-1 knockout (KO) A431 cell line. PVDF membrane was probed with 0.5 ug/ml of Mouse Anti-Human Caspase-1 Monoclonal Antibody (Catalog # NB100-56564) followed by HRP-conjugated Anti-Mouse IgG Secondary 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 Otolaryngology & 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-1 β Synthesis, Neutrophil Intravascular Crawling and Autoimmune Encephalomyelitis. PLoS Pathog. 2014-05-01 [PMID: 24875775] (WB, Mouse)

Details:
Fig 4c, d: peritoneal leukocytes



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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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