# antibodies - online.com







## anti-NLRC4 antibody (C-Term)

**Images** 



Publication

immunohistochemistry.

Affinity Purified



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Quantity:	100 μL	
Target:	NLRC4	
Binding Specificity:	C-Term	
Reactivity:	Human, Mouse, Rat, Guinea Pig	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This NLRC4 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC)	
Product Details		
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human NLRC4	
Sequence:	QLNLAGNRVS SDGWLAFMGV FENLKQLVFF DFSTKEFLPD PALVRKLSQV	
Specificity:	This antibody will recognize NLRC4 isoform 1 (116kD) and isoform 2 (40kD).	
Predicted Reactivity:	Guinea Pig: 80%, Human: 100%, Mouse: 86%, Rat: 80%	
Characteristics:	This is a rabbit polyclonal antibody against NLRC4. It was validated on Western Blot and	

#### **Target Details**

Purification:

Target: NLRC4

### Target Details

Alternative Name:	NLRC4 (NLRC4 Products)	
Background:	In C. elegans, Ced4 binds and activates Ced3, an apoptotic initiator caspase, via caspase-associated recruitment domains (CARDs). Human Ced4 homologs include APAF1, NOD1, and NOD2. These proteins have at least 1 N-terminal CARD domain followed by a centrally located nucleotide-binding domain (NBD or NACHT) and a C-terminal regulatory domain, found only in mammals, that contains either WD40 repeats or leucine-rich repeats (LRRs). CARD12 is a member of the Ced4 family and can induce apoptosis.  Alias Symbols: CLAN, IPAF, CLAN1, CLANA, CLANB, CLANC, CLAND, CARD12, CLR2.1 Protein Interaction Partner: UBC, XK, ALB, NLRC4, PSMC5, CASP8, NLRP4, PYCARD, NOD2, BCL10, CASP1, NLRP1, NLRP3, NOD1, NAIP, Protein Size: 1024	
Molecular Weight:	116 kDa	
Gene ID:	58484	
NCBI Accession:	NM_021209, NP_067032	
UniProt:	Q9NPP4	
Pathways:	Activation of Innate immune Response, Positive Regulation of Endopeptidase Activity, Inflammasome	
Application Details		
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.	
Comment:	Antigen size: 1024 AA	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	Lot specific	
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	

#### Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.	
Storage:	-20 °C	
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.	

#### **Publications**

Product cited in:

Larkin, Costantino, Seaman, Lavoie: "Calnuc Function in Endosomal Sorting of Lysosomal Receptors." in: **Traffic (Copenhagen, Denmark)**, Vol. 17, Issue 4, pp. 416-32, (2016) (PubMed).

#### **Images**



#### **Immunohistochemistry**

Image 1. Human Smooth Muscle

90 kDa\_\_ 60 kDa\_\_ 42 kDa\_\_ 32 kDa\_\_ 23 kDa\_\_

#### **Western Blotting**

Image 2. WB Suggested Anti-NLRC4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate