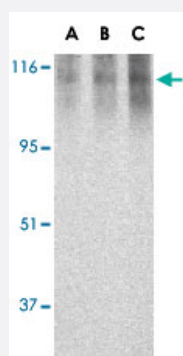


NLRC4 polyclonal antibody

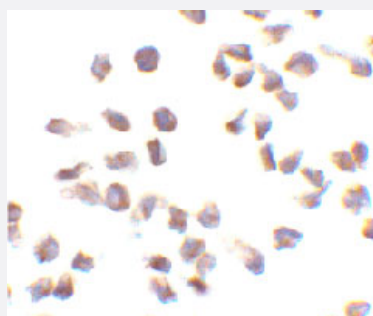
Catalog # PAB12895 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of NLRC4 in human PBL lysate with NLRC4 polyclonal antibody (Cat # PAB12895) at 0.5 (lane A), 1 (lane B), and 2 (lane C) ug/mL , respectively.



Immunocytochemistry

Immunocytochemistry of NLRC4 in THP-1 cells with NLRC4 polyclonal antibody (Cat # PAB12895) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of NLRC4.
Immunogen	A synthetic peptide corresponding to C-terminus of human NLRC4.
Host	Rabbit
Reactivity	Human
Specificity	A 110 KDa band can be detected. Ipaf antibody is human specific.
Form	Liquid

Recommend Usage	Western Blot (0.5-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of NLRC4 in human PBL lysate with NLRC4 polyclonal antibody (Cat # PAB12895) at 0.5 (lane A), 1 (lane B), and 2 (lane C) ug/mL , respectively.

- Immunocytochemistry

Immunocytochemistry of NLRC4 in THP-1 cells with NLRC4 polyclonal antibody (Cat # PAB12895) at 10 ug/mL .

Gene Info — NLRC4

Entrez GeneID	58484
Protein Accession#	NP_067032
Gene Name	NLRC4
Gene Alias	CARD12, CLAN, CLAN1, CLANA, CLANB, CLANC, CLAND, CLR2.1, IPAF
Gene Description	NLR family, CARD domain containing 4
Omim ID	606831
Gene Ontology	Hyperlink
Gene Summary	In C. elegans, Ced4 binds and activates Ced3, an apoptotic initiator caspase, via caspase-associated recruitment domains (CARDs). Human Ced4 homologs include APAF1 (MIM 602233), NOD1/CARD4 (MIM 605980), and NOD2/CARD15 (MIM 605956). 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. [supplied by OMIM]

Other Designations

ICE-protease activating factor|NOD-like receptor C4|caspase recruitment domain family, member 12|caspase recruitment domain protein 12|nucleotide-binding oligomerization domain, leucine rich repeat and CARD domain containing 4

Publication Reference

- [Identification of Ipaf, a human caspase-1-activating protein related to Apaf-1.](#)

Poyet JL, Srinivasula SM, Tnani M, Razmara M, Fernandes-Alnemri T, Alnemri ES.

The Journal of Biological Chemistry 2001 Jul; 276(30):28309.

- [Human CARD12 is a novel CED4/Apaf-1 family member that induces apoptosis.](#)

Geddes BJ, Wang L, Huang WJ, Lavellee M, Manji GA, Brown M, Jurman M, Cao J, Morgenstern J, Merriam S, Glucksmann MA, DiStefano PS, Bertin J.

Biochemical and Biophysical Research Communications 2001 Jun; 284(1):77.

- [Cytochrome c and dATP-dependent formation of Apaf-1/caspase-9 complex initiates an apoptotic protease cascade.](#)

Li P, Nijhawan D, Budihardjo I, Srinivasula SM, Ahmad M, Alnemri ES, Wang X.

Cell 1997 Nov; 91(4):479.

Disease

- [Dermatitis](#)