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anti-NLRP1 antibody (C-Term)



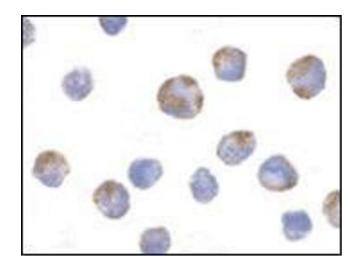
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2 Images

Overview	
Quantity:	0.1 mg
Target:	NLRP1
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NLRP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)
Product Details	
Immunogen:	NALP1 antibody was raised against a peptide corresponding to 13 amino acids near the carboxy-terminus of human NALP1.
Isotype:	IgG
Specificity:	This antibody detects CARD7 / NLRP1.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography
Target Details	
Target:	NLRP1
Alternative Name:	CARD7 / NLRP1 (NLRP1 Products)

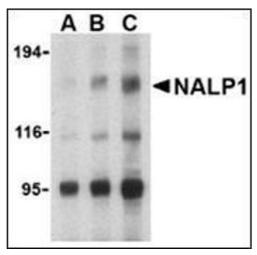
Target Details

Background:	NALP1 belongs to a family of cytoplasmic proteins that have been implicated in cell responses
	to apoptotic and inflammatory stimuli (1). It contains a caspase recruitment domain (CARD) in
	addition to a NACHT domain and leucine rich repeat (LRR). This protein interacts strongly with
	caspase 2 and weakly with caspase 9, as well as with Apaf-1 (2). Transient overexpression of
	this gene in cultured cells was sufficient to induce apoptosis (3). NALP1 mRNA and protein
	expression levels in myeloid leukemia cells are increased following CREB (cAMP-response
	element binding protein) activation, suggesting that NALP1 may contribute to modulate the
	response of these cells to pro-inflammatory stimuli (4). Multiple alternatively spliced transcript
	variants encoding distinct isoforms have been found for NALP1 (3).Synonyms: Caspase
	recruitment domain-containing protein 7, DEFCAP, Death effector filament-forming ced-4-like
	apoptosis protein, KIAA0926, LRR and PYD domains-containing protein 1, NAC, NACHT, NALP1,
	Nucleotide-binding domain and caspase recruitment domain
Gene ID:	22861
UniProt:	Q9C000
Pathways:	Positive Regulation of Endopeptidase Activity, Inflammasome
Application Details	
Application Notes:	ELISA. Western blot. Immunocytochemistry.
	Other applications not tested.
	Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only
Handling	
Buffer:	PBS containing 0.02 % sodium azide
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 Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunofluorescence

Image 1. Immunocytochemistry of NALP1 in K562 cells with this product at $10 \, \mu g/ml$.



Western Blotting

Image 2. Western blot analysis of NALP1 in U937 cell lysate with this product at (A) 1, (B) 2 and (C) $4 \mu g/ml$.