ARG40189
anti-NLRP1 / NALP1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NLRP1 / NALP1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NLRP1 / NALP1
Species	Human
Immunogen	Synthetic peptide around the N-terminal region of Human NLRP1 / NALP1. (Synthetic peptide located within the following region: DTQEPRIVILQGAAGIGKSTLARQVKEAWGRGQLYGDRFQHVFYFSCREL)
Conjugation	Un-conjugated
Alternate Names	NAC; PP1044; DEFCAP; SLEV1; VAMAS1; Nucleotide-binding domain and caspase recruitment domain; DEFCAP-L/S; NALP1; NACHT, LRR and PYD domains-containing protein 1; Death effector filament-forming ced-4-like apoptosis protein; CLR17.1; Caspase recruitment domain-containing protein 7; CIDED; CARD7

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 85%; Dog: 86%; Guinea Pig: 85%; Horse: 85%; Mouse: 93%; Pig: 86%; Rabbit: 85%; Rat: 100%

Application table

Application	Dilution
WB	0.2 - 1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	NCI-H226

Properties

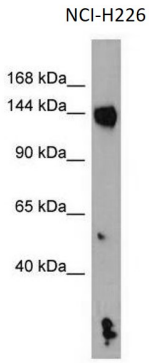
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

	and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	NLRP1
Gene Full Name	NLR family, pyrin domain containing 1
Background	This gene encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members contain a caspase recruitment domain (CARD) and are known to be key mediators of programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]
Function	Able to form cytoplasmic structures termed death effector filaments. Enhances APAF1 and cytochrome c-dependent activation of pro-caspase-9 and consecutive apoptosis. Stimulates apoptosis through activation of caspase-3. Involved in activation of caspase-1 and caspase-5 as part of the NALP1 inflammasome complex which leads to processing and release of IL1B and IL18. Binds ATP. [UniProt]
Calculated Mw	166 kDa
Cellular Localization	Cytoplasm, cytosol. Cytoplasm. Inflammasome. Nucleus. Note=Nucleocytoplasmic distribution in lymphoid organs (probably in T-cells) and in neurons. In epithelial cells, predominantly cytoplasmic. [UniProt]

Images



ARG40189 anti-NLRP1 / NALP1 antibody WB image

Western blot: NCI-H226 cell lysate stained with ARG40189 anti-NLRP1 / NALP1 antibody at 0.2 - 1 µg/ml dilution.