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Datasheet for ABIN7145196  
**anti-NAIP antibody (AA 147-242) (FITC)**

### Overview

Quantity:	100 µg
Target:	NAIP
Binding Specificity:	AA 147-242
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAIP antibody is conjugated to FITC
Application:	Please inquire

### Product Details

Immunogen:	Recombinant Human Baculoviral IAP repeat-containing protein 1 protein (147-242AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	NAIP
Alternative Name:	NAIP ( <a href="#">NAIP Products</a> )
Background:	Background: \\\Anti-apoptotic protein which acts by inhibiting the activities of CASP3, CASP7 and CASP9. Can inhibit the autocleavage of pro-CASP9 and cleavage of pro-CASP3 by CASP9.

## Target Details

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Capable of inhibiting CASP9 autoproteolysis at 'Asp-315' and decreasing the rate of auto proteolysis at 'Asp-330'. Acts as a mediator of neuronal survival in pathological conditions. Prevents motor-neuron apoptosis induced by a variety of signals. Possible role in the prevention of spinal muscular atrophy that seems to be caused by inappropriate persistence of motor-neuron apoptosis: mutated or deleted forms of NAIP have been found in individuals with severe spinal muscular atrophy. Acts as a sensor component of the NLR4 inflammasome that specifically recognizes and binds needle protein CprI from pathogenic bacteria *C.violaceum*. Association of pathogenic bacteria proteins drives in turn drive assembly and activation of the NLR4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLR4 inflammasome is activated as part of the innate immune response to a range of intracellular bacteria such as *C.violaceum* and *L.pneumophila*."

Aliases: Baculoviral IAP repeat containing 1 antibody, Baculoviral IAP repeat-containing protein 1 antibody, BIRC 1 antibody, BIRC1 antibody, BIRC1\_HUMAN antibody, Birc1a antibody, FLJ42520 antibody, NAIP antibody, Naip1 antibody, Neuronal apoptosis inhibitory protein antibody, NLR family apoptosis inhibitory protein antibody, NLR family BIR domain containing 1 antibody, NLRB 1 antibody, NLRB1 antibody, Nucleotide binding oligomerization domain leucine rich repeat and BIR domain containing 1 antibody, Psi neuronal apoptosis inhibitory protein antibody, psiNAIP antibody, Similar to occludin antibody

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UniProt: [Q13075](#)

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Pathways: [Apoptosis](#), [Inflammasome](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

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## Handling

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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.