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Datasheet for ABIN7145195
anti-NAIP antibody (AA 147-242) (Biotin)

Overview

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

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 (NAIP Products)
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

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 NLRC4 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 NLRC4 inflammasome, promoting caspase-1 activation, cytokine production and macrophage pyroptosis. The NLRC4 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

UniProt: [Q13075](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

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.

Handling

Storage: -20 °C, -80 °C

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