Datasheet for ABIN7145194

anti-NAIP antibody (AA 147-242)

3 Images

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Overview

Quantity:	100 µg
Target:	NAIP
Binding Specificity:	AA 147-242
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAIP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

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:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

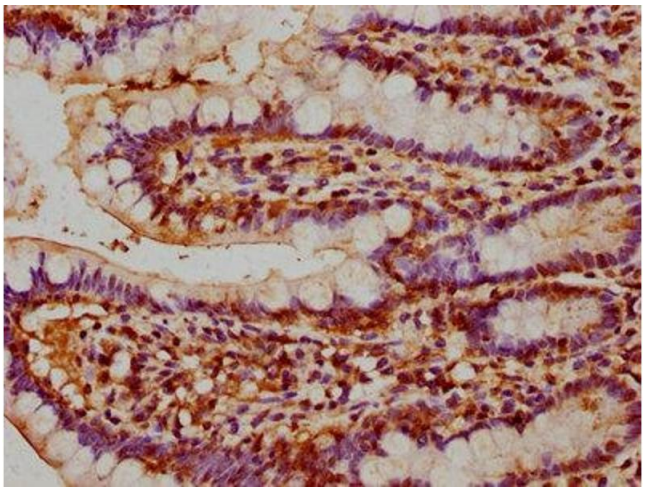
Handling

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

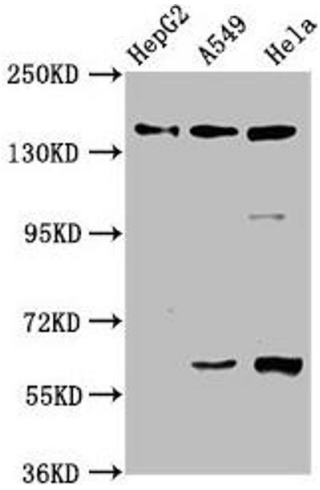
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



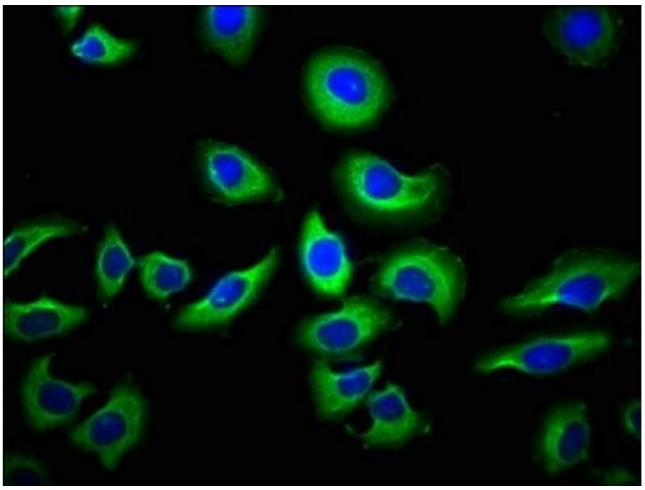
Immunohistochemistry

Image 1. IHC image of ABIN7145194 diluted at 1:200 and staining in paraffin-embedded human small intestine tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HepG2 whole cell lysate, A549 whole cell lysate, Hela whole cell lysate All lanes: NAIP antibody at 3.3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 160, 142 kDa Observed band size: 160 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of A549 cells with ABIN7145194 at 1:66, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).