Datasheet for ABIN500306

anti-NAIP antibody (C-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	NAIP
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NAIP antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	NAIP antibody was raised against a synthetic peptide corresponding to 13 amino acids at the C-terminus of human NAIP.
Isotype:	IgG
Specificity:	This antibody detects NAIP at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Peptide affinity chromatography

Target Details

Target:	NAIP
Alternative Name:	NAIP (NAIP Products)

Target Details

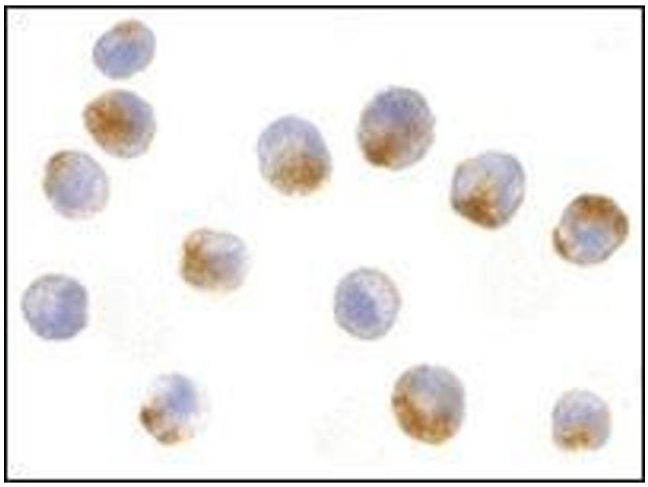
Background:	Neuronal apoptosis inhibitor protein (NAIP) was the first human inhibitor of apoptosis protein (IAP) identified and was discovered by its association with the neurodegenerative disorder spinal muscular atrophy (1,2). Members of the IAP family contain one to three copies of an approximately 70 amino acid motif termed baculovirus IAP repeat (BIR), these BIRs promote protein-protein interactions with various caspases such as caspase-3, -7, and -9 as well as members of the TRAF family of signal molecules (reviewed in 3). Unlike other IAPs however, NAIP requires ATP to bind caspase-9 and is not inhibited by the IAP-inhibiting molecule Smac/DIABLO (4), suggesting that NAIP is unique among the IAPs in its regulation of its activity. Finally, although only one human NAIP protein has been identified, other shorter NAIP mRNA transcripts have been reported (5).Synonyms: BIRC1, Baculoviral IAP repeat-containing protein 1
Gene ID:	4671
UniProt:	Q13075
Pathways:	Apoptosis, Inflammasome

Application Details

Application Notes:	ELISA. Western blot: 0.5 to 1 µg/mL. Immunocytochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

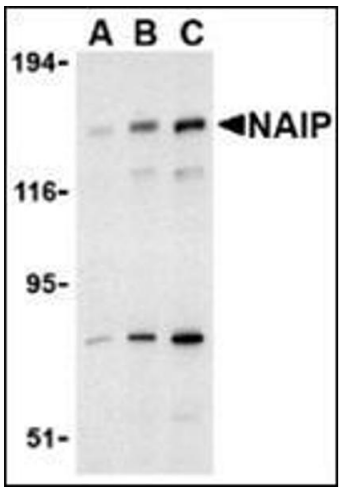
Handling

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 NAIP in A549 cells with NAIP antibody at 10 µg/ml.



Western Blotting

Image 2. Western blot analysis of NAIP in PC-3 cell lysate with this product at (A) 0.5, (B) 1, and (C) 2 µg/ml.