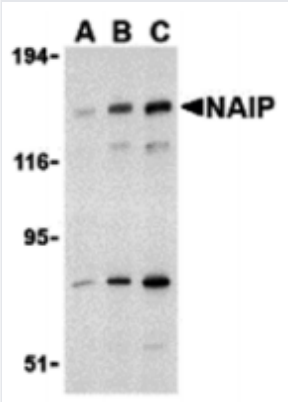
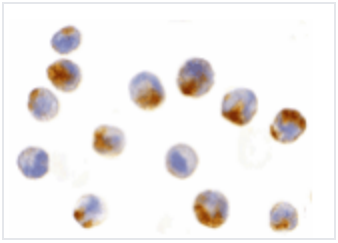
NAIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAIP, Polyclonal Antibody
Full Product Name	NAIP Antibody
Product Gene Name	anti-NAIP antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Purity/Purification	Affinity chromatography purified via peptide column
Specificity	Minor, lower molecular weight bands may represent alternately spliced forms.
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Molecular Weight	141,329 Da
OMIM	600355
Immunogen Type	Peptide
Immunogen Description	Raised against a synthetic peptide corresponding to 13 amino acids at the C-terminus of human NAIP.
Target Name	NAIP
Product Categories/Family for anti-NAIP antibody	Total protein Ab
Applications Tested/Suitable for anti-NAIP antibody	ELISA (EIA), Western Blot (WB), Immunocytochemistry (ICC)
Related Product Information for anti-NAIP antibody	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. 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, 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.
Other Notes	Small volumes of anti-NAIP antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NAIP purchase	MBS9405374 is an antibody targeting NAIP. Also known as NAIP Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NAIP antibody
Western blot analysis of NAIP in PC-3 cell lysate with NAIP antibody at (A) 0.5, (B) 1, and (C) 2 ug/mL.



Immunocytochemistry (ICC) of anti-NAIP antibody
Immunocytochemistry of NAIP in A549 cells with NAIP antibody at 10 ug/mL.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NAIP. It may not necessarily be applicable to this product.

NCBI GI #	1737213
NCBI GeneID	4671
NCBI Accession #	AAC52047
UniProt Secondary Accession #	O75857; Q13730; Q59GI6; Q8TDZ4; Q99796; B9EG72; E9PHD1
UniProt Related Accession #	Q13075
NCBI Official Full Name	neuronal apoptosis inhibitory protein
NCBI Official Synonym Full Names	NLR family, apoptosis inhibitory protein
NCBI Official Symbol	NAIP
NCBI Official Synonym Symbols	BIRC1; NLRB1; psiNAIP
UniProt Protein Name	Baculoviral IAP repeat-containing protein 1
UniProt Synonym Protein Names	Neuronal apoptosis inhibitory protein
Protein Family	Baculoviral IAP repeat-containing protein
UniProt Gene Name	NAIP
UniProt Synonym Gene Names	BIRC1
UniProt Entry Name	BIRC1_HUMAN
NCBI Protein Information	baculoviral IAP repeat-containing protein 1
NCBI Summary for NAIP	This gene is part of a 500 kb inverted duplication on chromosome 5q13. This duplicated region contains at least four genes and repetitive elements which make it prone to rearrangements and deletions. The repetitiveness and complexity of the sequence have also caused difficulty in determining the organization of this genomic region. This copy of the gene is full length; additional copies with truncations and internal deletions are also present in this region of chromosome 5q13. It is thought that this gene is a modifier of spinal muscular atrophy caused by mutations in a neighboring gene, SMN1. The protein encoded by this gene contains regions of homology to two baculovirus inhibitor of apoptosis proteins, and it is able to suppress apoptosis induced by various signals. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

UniProt Comments for NAIP	BIRC1: 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. 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. Chromosomal Location of Human Ortholog: 5q13.2 Cellular Component: spindle microtubule; basolateral plasma membrane; cytoplasm; nucleus Molecular Function: protein binding; metal ion binding; caspase inhibitor activity; ubiquitin-protein ligase activity; ATP binding Biological Process: nervous system development; regulation of signal transduction; innate immune response; protein ubiquitination; negative regulation of caspase activity; negative regulation of neuron apoptosis; inflammatory response; negative regulation of apoptosis
Research Articles on NAIP	**1.** Modulation of chemotherapeutic drug resistance in neuroblastoma SK-N-AS cells by the neural apoptosis inhibitory protein and miR-520f.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/naip/9405374