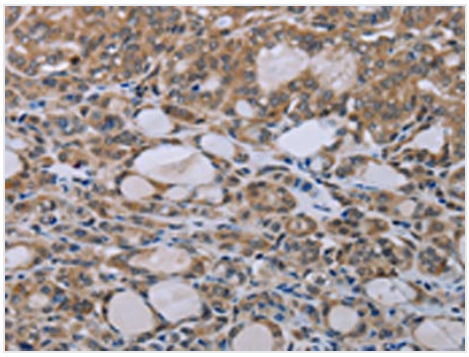
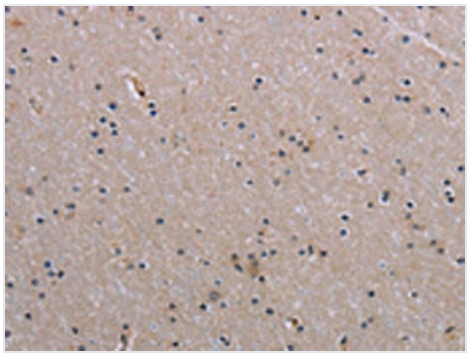
NAIP Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NAIP, Polyclonal Antibody
Full Product Name	NAIP Antibody
Product Gene Name	anti-NAIP antibody
Product Synonym Names	NLR family; apoptosis inhibitory protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid; In Phosphate Buffered Saline, pH 7.4, 0.05% NaN3, and 40% Glycerol
Purity/Purification	Antigen Affinity Purification
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Molecular Weight	159,582 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (70264310..70320941, complement). Location: 5q13.2
OMIM	600355
3D Structure	ModBase 3D Structure for Q13075
Immunogen	Synthetic peptide of human NAIP
Immunogen Species	Human
Conjugate	Non-conjugated
Product Categories/Family for anti-NAIP antibody	Cell Biology
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NAIP antibody	ELISA (EIA), Immunohistochemistry (IHC)
Application Notes for anti-NAIP antibody	ELISA: 1:1000-1:2000 IHC: 1:25-1:100
Related Product Information for anti-NAIP antibody	MBS7129341 is an antibody targeting NAIP. Also known as NAIP Antibody. Reactive in Human. Host: Rabbit.
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.



Immunohistochemistry (IHC)-Paraffin of anti-NAIP antibody
The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using MBS7129341(NAIP Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry (IHC)-Paraffin of anti-NAIP antibody
The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using MBS7129341(NAIP Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: ×200)

ADDITIONAL DETAILS

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

NCBI GI #	219520065
NCBI GeneID	4671
NCBI Accession #	AAI43762.1
UniProt Primary Accession #	Q13075
UniProt Secondary Accession #	O75857; Q13730; Q59GI6; Q8TDZ4; Q99796; B9EG72; E9PHD1
UniProt Related Accession #	Q13075
NCBI Official Full Name	NAIP 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; neuronal apoptosis inhibitory protein; psi neuronal apoptosis inhibitory protein; nucleotide-binding oligomerization domain, leucine rich repeat and BIR domain containing 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: basolateral plasma membrane; spindle microtubule; 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.** the NAIP5-NLRC4 inflammasome is induced by direct interactions with conserved N- and C-terminal regions of flagellin
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