



# Anti-NAIP (N-terminal) polyclonal antibody (DPAB-DC1994)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	This antibody is expected to recognize reported isoform 1 (NP_004527.2).
<b>Immunogen</b>	A synthetic peptide corresponding to amino acids at N-terminus of human NAIP. The sequence is QKASDERISQFDHN-C
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA,
<b>Format</b>	Liquid
<b>Concentration</b>	0.5 mg/mL

<b>Size</b>	100 µg
<b>Buffer</b>	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">NAIP NLR family, apoptosis inhibitory protein [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	NAIP
<b>Synonyms</b>	NAIP; NLR family, apoptosis inhibitory protein; BIRC1; NLRB1; psiNAIP; 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;
<b>Entrez Gene ID</b>	<a href="#">4671</a>
<b>Protein Refseq</b>	<a href="#">NP_004527</a>
<b>UniProt ID</b>	<a href="#">Q13075</a>
<b>Chromosome Location</b>	5q13.2
<b>Pathway</b>	Legionellosis;
<b>Function</b>	ATP binding; cysteine-type endopeptidase inhibitor activity involved in apoptotic process; metal ion binding; nucleoside-triphosphatase activity