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# NAIP Antibody

Rabbit mAb
Catalog # AP92503

## Product Information

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|---|---|
| **Application** | WB |
| **Primary Accession** | Q13075 |
| **Reactivity** | Human |
| **Clonality** | Monoclonal |
| **Other Names** | BIRC1; Birc1a; NAIP; Naip1; NLRB1; psiNAIP; |
| **Isotype** | Rabbit IgG |
| **Host** | Rabbit |
| **Calculated MW** | 159582 |

## Additional Information

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| **Dilution** | WB 1:500~1:2000 |
| **Purification** | Affinity-chromatography |
| **Immunogen** | A synthesized peptide derived from human NAIP |
| **Description** | 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. |
| **Storage Condition and Buffer** | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

## Protein Information

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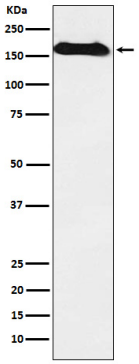
| **Name** | NAIP |
| **Synonyms** | BIRC1 |
| **Function** | Anti-apoptotic protein which acts by inhibiting the activities of CASP3, CASP7 and CASP9. Can inhibit the autocleavage of pro-CASP9 and cleavage of pro-CASP3 by CASP9. Capable of inhibiting CASP9 autoproteolysis at 'Asp-315' and decreasing 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. |
| **Tissue Location** | Expressed in motor neurons, but not in sensory neurons. Found in liver and placenta, and to a lesser extent in spinal cord |

## Images




Western blot analysis of NAIP expression in Human fetal kidney lysate.