10320 Camino Santa Fe, Suite G
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BIRC1 / NAIP Antibody (C-Terminus)

Rabbit Polyclonal Antibody
Catalog # ALS11387

Specification

BIRC1 / NAIP Antibody (C-Terminus) - Product Information

Application	**ICC, IF, WB, IHC**
Primary Accession	Q13075
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**160kDa KDa**

BIRC1 / NAIP Antibody (C-Terminus) - Additional Information

Gene ID 4671

Other Names
Baculoviral IAP repeat-containing protein 1, Neuronal apoptosis inhibitory protein, NAIP, BIRC1

Target/Specificity
synthetic peptide corresponding to 13 amino acids at the C-terminus of human NAIP

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions
BIRC1 / NAIP Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

BIRC1 / NAIP Antibody (C-Terminus) - Protein Information

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

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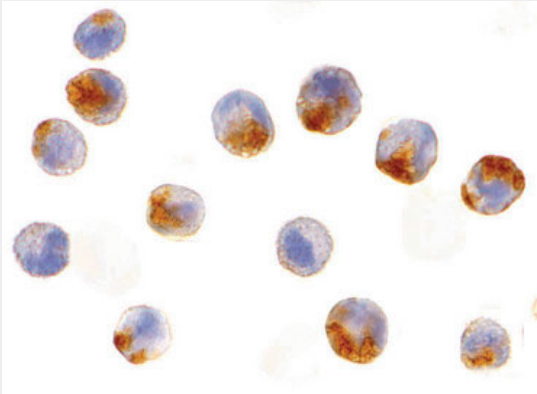
BIRC1 / NAIP Antibody (C-Terminus) - Protocols

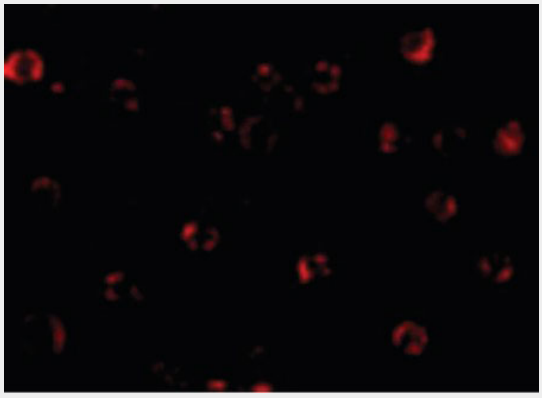
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BIRC1 / NAIP Antibody (C-Terminus) - Images



Immunocytochemistry of NAIP in A549 cells with NAIP antibody at 10 ug/ml.



Immunofluorescence of NAIP in A549 cells with NAIP antibody at 20 ug/ml.

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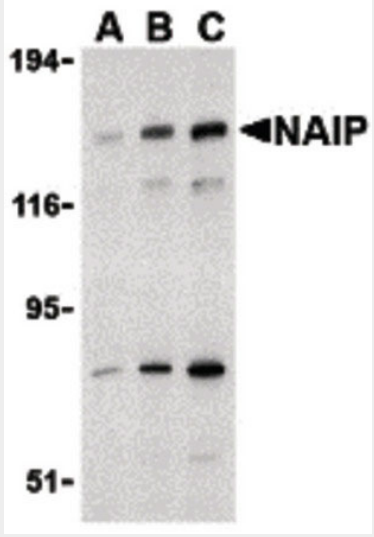
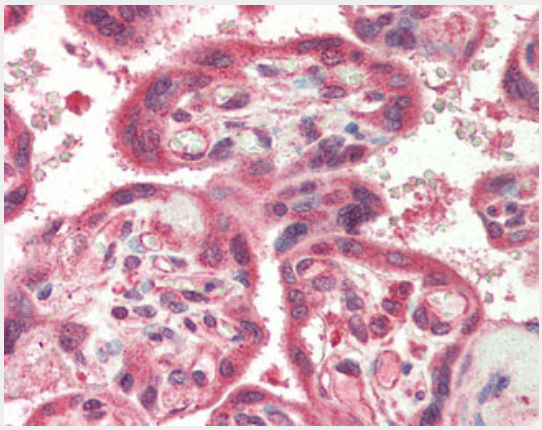


Western blot of NAIP in PC-3 cell lysate with NAIP antibody at (A) 0.5, (B) 1, and (C) 2 ug/ml.



Anti-NAIP antibody IHC of human placenta.

BIRC1 / NAIP Antibody (C-Terminus) - Background

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.

BIRC1 / NAIP Antibody (C-Terminus) - References

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