

Anti-NAIP Antibody

Catalog # AP61054

Product Information

Application	WB, IHC
Primary Accession	Q13075
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	159582

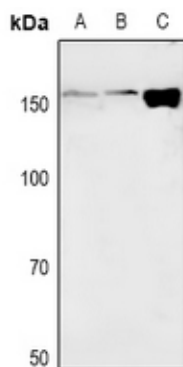
Additional Information

Gene ID	4671
Other Names	BIRC1; Baculoviral IAP repeat-containing protein 1; Neuronal apoptosis inhibitory protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human NAIP. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

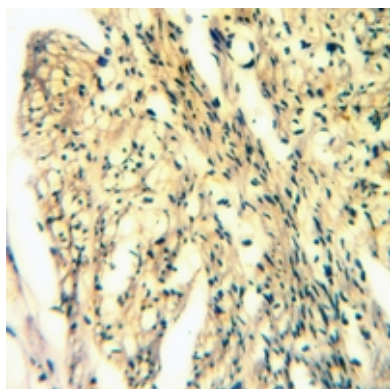
Protein Information

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

Images



Western blot analysis of NAIP expression in HEK293T (A), SGC7901 (B), Raw264.7 (C) whole cell lysates. (Predicted band size: 159 kD; Observed band size: 160 kD)



Immunohistochemical analysis of NAIP staining in human stomach cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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