Human NAIP Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG
Catalog Number: AF829

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NAIP expressed in *Sf* 21 insect cells.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	KLH-coupled human NAIP synthetic peptide YLSLSSTRPDEGLASIIC Accession # NP_004527
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

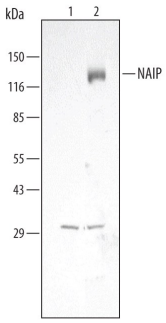
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human NAIP by Western Blot. Western blot shows lysates of *Sf* 21 insect cells before (lane 1) and 48 hours post infection with human NAIP (lane 2). PVDF membrane was probed with 1 µg/mL Rabbit Anti-Human NAIP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF829) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band for truncated NAIP was detected at approximately 130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 4.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Neuronal apoptosis inhibitory protein (NAIP; also Baculoviral IAP repeat-containing protein 1) is a 160 kDa member of the inhibitor of apoptosis family of proteins (also known as BIRC proteins). Human NAIP is 1403 amino acids (aa) in length. It contains three distinct regions: an N-terminal cluster of three baculoviral inhibitory repeat (BIR) domains, a central nucleotide binding oligomerization domain (NOD), and a C-terminal leucine-rich repeat (LRR) domain. Human NAIP shares 68% aa identity with mouse NAIP. NAIP is expressed in motor neurons, but not in sensory neurons. It is also expressed in the liver, placenta and to a lesser extent in the spinal cord. NAIP prevents motor neuron apoptosis, and defects in NAIP have been found in individuals with spinal muscular atrophy.

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