

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NAIP expressed in <i>Sf21</i> insect cells.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	KLH-coupled human NAIP synthetic peptide YLSLSSTRPDEGLASIIC Accession # NP_004527
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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