Cat.No. 167 002; Polyclonal rabbit antibody, 200 µl antiserum (lyophilized)

Data Sheet

Reconstitution/Storage

200 µl antiserum, lyophilized. For reconstitution add 200 µl H₂O, then aliquot and store at -20°C until use.

Applications

WB: 1 : 1000 up to 1 : 5000 (AP staining)
IP: not tested yet
ICC: 1 : 500
IHC: not tested yet
IHC-P/FFPE: not tested yet

Immunogen

Recombinant protein corresponding to AA 1 to 499 from human α-internexin (UniProt Id: Q16352)

Reactivity

Reacts with: rat (P23565), mouse (P46660). Other species not tested yet.

Specificity

Specific for α-internexin.

Remarks

Ice cold methanol fixation is recommended.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The cytoskeleton of most eukaryotic cells is composed of three distinct components: Actin-based microfilaments, tubulin-based microtubules and intermediate filaments (IFs).

α-Internexin is a neuronal intermediate filament of type four. It is assumed to be expressed by all neurons and precedes the onset of the expression of the heavy medium and light variants of neurofilaments which are major components of the neuronal IFs.

Alterations in the phosphorylation state of IFs have been associated with neurodegenerative diseases like Alzheimer, Parkinson, dementia with Lewy bodies (DLB), and motor neuron disease (MND).

Selected General References


