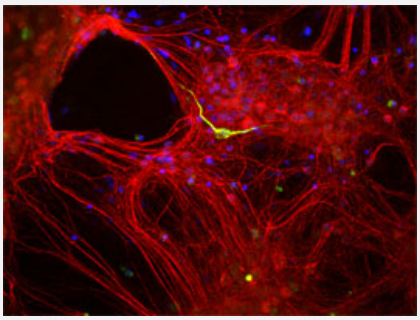
Ina polyclonal antibody

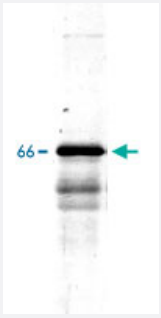
Catalog # PAB14168 Size 100 uL

Applications



Immunofluorescence

Mixed neuron-glial cultures stained with Ina polyclonal antibody (Cat # PAB14168) (red) and Chicken Peripherin antibody (green).
The Ina antibody stains numerous axonal and dendritic profiles in these cultures, while peripherin antibody binds to only a subset of neurons.



Western Blot (Tissue lysate)

Western blot of whole rat spinal cord homogenate stained with Ina polyclonal antibody (Cat # PAB14168), at dilution of 1 : 20,000.
A prominent band running at ~ 66 KDa is apparent, as well as smaller lower bands which are apparently degradation products.
A minor band at ~ 150 KDa is also seen, apparently resulting from dimerization of alpha-internexin.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant Ina.
Immunogen	Recombinant protein corresponding to rat Ina.
Host	Rabbit
Theoretical MW (kDa)	64-66
Reactivity	Rat
Form	Liquid

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Recommend Usage	Western Blot (1:10000) Immunofluorescence (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum (5 mM sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry
- Immunofluorescence

  Mixed neuron-glial cultures stained with Ina polyclonal antibody (Cat # PAB14168) (red) and Chicken Peripherin antibody (green).
  The Ina antibody stains numerous axonal and dendritic profiles in these cultures, while peripherin antibody binds to only a subset of neurons.
- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  Western blot of whole rat spinal cord homogenate stained with Ina polyclonal antibody (Cat # PAB14168), at dilution of 1 : 20,000.
  A prominent band running at ~ 66 KDa is apparent, as well as smaller lower bands which are apparently degradation products.
  A minor band at ~ 150 KDa is also seen, apparently resulting from dimerization of alpha-internexin.

Gene Info — Ina

Entrez GeneID	24503
Gene Name	Ina
Gene Alias	Inexa, Intlaa, Nf66
Gene Description	internexin neuronal intermediate filament protein, alpha
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	internexin, alpha

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Publication Reference

- Axonally transported peripheral signals regulate alpha-internexin expression in regenerating motoneurons.

  McGraw TS, Mickle JP, Shaw G, Streit WJ.

  The Journal of Neuroscience 2002 Jun; 22(12):4955.

  Application: IHC-P, WB-Ce, Rat, Facial nerve

- Characterization of mitotic neurons derived from adult rat hypothalamus and brain stem.

  Evans J, Sumners C, Moore J, Huentelman MJ, Deng J, Gelband CH, Shaw G.

  Journal of Neurophysiology 2002 Feb; 87(2):1076.

  Application: IF, WB-Ti, Human, Dog, Rat, Human temporal cortex, Cat frontal cortex, Rat brain stem

- alpha-Internexin, a 66-kD intermediate filament-binding protein from mammalian central nervous tissues.

  Pachter JS, Liem RK.

  The Journal of Cell Biology 1985 Oct; 101(4):1316.

  Application: WB-Re, Purified proteins

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