INVESTIGATOR
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IMMUNOGEN
Substance
Name  homogenized Sprague-Dawley rat spinal cord
Origin  embryonic day 15

IMMUNIZATION PROTOCOL
Donor Animal
Species  mouse
Strain  BALB/c
Sex  spleen
Immunization
Dates immunized
Amount of antigen
Route of immunization i.p./i.p./i.v.
Adjuvant  Freund's complete/Freund's complete/none

FUSION
Date  1981 (approx.)
Myeloma cell line
Species  mouse
Designation  NS-1

MONOCLONAL ANTIBODY
Isotype  IgG1
Specificity
Cell binding
Immunohistology  yes, fixed or fresh tissue
Antibody competition
Species Specificity  recognizes rat and mouse; does not recognize cat, monkey, human

ANTIGEN
Chemical properties  intermediate filament protein, called Nestin
Molecular weight  200 kDa (approx.)
Characterization  see Hockfield and McKay, 1985; Lendahl et al., 1990
Immunoprecipitation  yes
Immunoblotting  yes
Purification
Amino acid sequence analysis  analysis
Functional effects  none to date
Immunohistochemistry  expressed by progenitor (radial glial) cells in the developing rat CNS. also expressed in Schwann cells and their putative precursors in PNS. expressed in myoblasts and early myotubes.

PUBLICATIONS:

(Continued)


ACKNOWLEDGMENTS STATEMENT

We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used:

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