DEVELOPMENTAL STUDIES HYBRIDOMA BANK
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ASCS4 INVESTIGATOR

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IMMUNOGEN sympathetic neurons, rat SCG (superior cervical ganglion)
- **Substance**
  - **Name**
  - **Origin**
  - **Chemical Composition**
- **Developmental Stage**

IMMUNIZATION PROTOCOL
- **Donor Animal**
  - **Species** mouse
  - **Strain**
  - **Sex**
  - **Organ and tissue**
- **Immunization**
  - **Dates immunized**
  - **Amount of antigen**
  - **Route of immunization** i.p.
  - **Adjuvant**

FUSION
- **Date**
- **Myeloma cell line**
  - **Species** mouse
  - **Designation** NS1

MONOCLONAL ANTIBODY
- **Isotype** IgG1, kappa light chain
- **Specificity**
  - **Cell binding**
  - **Immunohistology**
  - **Antibody competition**
- **Species Specificity** **rat**

ANTIGEN
- **Chemical properties** L1, rat
- **Molecular weight** 200 kDa, 130 kDa, 85 kDa
- **Characterization**
  - **Immunoprecipitation**
  - **Immunoblotting**
  - **Purification**
  - **Amino acid sequence analysis**
- **Functional effects**
- **Immunohistochemistry** rat

PUBLICATIONS :

Sweadner, K.J. (1983). Post-translational modification and evoked release of two large surface proteins of sympathetic neurons. J. Neurosci. 3, 2504 - 2517.

Yamazaki, T., Koo, E.H., and Selkoe, D.J. (1997). Cell surface amyloid ß-protein precursor colocalizes with ß1 integrins at substrate contact sites in neural cells. J. Neurosci. 17(3), 1004-1010.

Biederer, T., Sara, Y., Mozhayeva, M., Atasoy, D., Liu, X., Kavalali, E.T., and Sudhof, T.C. (2002). SynCAM, a synaptic adhesion molecule that drives synapse assembly. Science 297, 1525-1531.

Jevince, A.R., Kadison, S.R., Pittman, A.J., Chien, C.-B., and Kaprielian, Z. (2006). Distribution of EphB receptors and ephrin-B1 in the developing vertebrate spinal cord. J. Comp. Neurol. 497, 734-750.

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