DEVELOPMENTAL STUDIES HYBRIDOMA BANK
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XAP-2 (Clone 5B9)

(Only cell products will be distributed.)

INVESTIGATOR

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IMMUNOGEN

Substance
- **Name**: immunosuppressed against Xenopus embryos, immunized with Xenopus tadpole optic nerves and retinae
- **Origin**: dounced fresh or frozen tissue
- **Chemical Composition**

Developmental Stage: Xenopus stage 20 embryos for immunosuppression, Xenopus stage 45-53 optic nerves and retinae

IMMUNIZATION PROTOCOL

Donor Animal
- **Species**: mouse
- **Strain**: BALB/c
- **Sex**: female
- **Organ and tissue**: spleen

Immunization
- **Dates immunized**: 12/3/85, immunosuppressed 12/5/85, 12/19/85, 1/7/86, 1/21/86
- **Amount of antigen**: 100-200 μg
- **Route of immunization**: ip
- **Adjuvant**: complete Freund's adjuvant followed by incomplete Freund's adjuvant

FUSION

Date: 1/24/86

Myeloma cell line
- **Species**: mouse
- **Designation**: NS1

MONOCLONAL ANTIBODY

Isotype: IgG3

Specificity
- **Cell binding**: -
- **Immunohistology**: labels rod photoreceptor outer segments
- **Antibody competition**: -

Species Specificity: Axolotl, Rana pipens, Xenopus laevis

ANTIGEN

Chemical properties: labels rod photoreceptor outer segments
Molecular weight: -

Characterization
- **Immunoprecipitation**: -
- **Immunoblotting**: -
- **Purification**: -
- **Amino acid sequence analysis**: -

Functional effects: none observed to date
Immunohistochemistry: yes, paraformaldehyde fixed tissue. labels Xenopus rod phtoreceptor outer segments

PUBLICATIONS :

Harris, W.A., Messersmith, S.L. (1992). Two cellular inductions involved in photoreceptor determination in the Xenopus retina. Neuron 9, 357-372.

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ACKNOWLEDGMENTS STATEMENT

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