



## DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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### mAb 5B12.3

#### INVESTIGATOR

**Name** John Cooper  
**Address** Department of Cell Biology & Physiology, Washington University Medical School,  
660 S. Euclid, St. Louis, MO 63110

#### IMMUNOGEN

##### Substance

**Name** GST-capping protein- $\alpha$ 1-subunit from chicken  
**Origin** expressed in E. Coli  
**Chemical Composition** protein

##### Developmental Stage

#### IMMUNIZATION PROTOCOL

##### Donor Animal

**Species** mouse  
**Strain** Balb/C  
**Sex** female  
**Organ and tissue**

##### Immunization

**Dates immunized** 4/92  
**Amount of antigen**  
**Route of immunization** subcutaneous  
**Adjuvant** Freund's complete

#### FUSION

**Date** 6/92

##### Myeloma cell line

**Species** mouse  
**Designation** P3x63 Ag8.653

#### MONOCLONAL ANTIBODY

**Isotype** IgG2a, kappa light chain -can be purified on protein A

##### Specificity

**Cell binding** no  
**Immunohistology** yes  
**Antibody competition**

**Species Specificity** chicken, mouse, human

#### ANTIGEN

**Chemical properties** protein-antibody reacts with capping protein  $\alpha$ 1 and  $\alpha$ 2 subunits

**Molecular weight** ~34 kDa

##### Characterization

**Immunoprecipitation** yes  
**Immunoblotting** yes, with fixation using Shandon™ Glyo-Fixx™  
**Purification**  
**Amino acid sequence analysis**

##### Functional effects

**Immunohistochemistry** yes

#### PUBLICATIONS :

Schafer, D.A., Jennings, P.B., and Cooper, J.A. (1996). Dynamics of capping protein and actin assembly in vitro: uncapping barbed ends by polyphosphoinositides. J. Cell Biol. 135(1), 169-179.



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ACKNOWLEDGMENTS STATEMENT

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