



## DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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### mAb 3F2.3

#### INVESTIGATOR

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#### IMMUNOGEN

##### Substance

**Name** GST-C-term of  $\beta$ 2-subunit-fusion protein of GST with 27 amino acids at the C-terminus of chicken capping protein  $\beta$ 2-subunit  
**Origin** expressed in E. Coli  
**Chemical Composition** protein  
**Developmental Stage** all

#### IMMUNIZATION PROTOCOL

##### Donor Animal

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

##### Immunization

**Dates immunized** 8/93  
**Amount of antigen**  
**Route of immunization** subcutaneous  
**Adjuvant** Freund's complete

#### FUSION

**Date** 10/93  
**Myeloma cell line**  
**Species** mouse  
**Designation** P3x63 Ag8.653

#### MONOCLONAL ANTIBODY

**Isotype** IgG2a, kappa light chain  
**Specificity**  
**Cell binding** no  
**Immunohistology** cell-cell junctions, cytosol  
**Antibody competition**  
**Species Specificity** chicken, mouse, human have been tested

#### ANTIGEN

**Chemical properties**  
**Molecular weight** reacts with capping protein - $\beta$ 2-subunit  
**Characterization**  
**Immunoprecipitation** yes  
**Immunoblotting** yes  
**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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