

## TARP $\gamma$ 2/4/8/Stargazin Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 11572 (clone S245-36)  
**Size:** 100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

### BACKGROUND

Stargazin belongs to a group of voltage-gated calcium channels that are present in most excitable cells. It appears to stabilize calcium channels in an inactivated (closed) state. Voltage-gated calcium channels exert spatial and temporal control over cellular calcium concentrations and serve to modulate neurotransmitter release, hormone secretion, muscle contraction, electrical activity, cell metabolism and proliferation, gene expression, and neuronal survival.

### SPECIFICATION SUMMARY

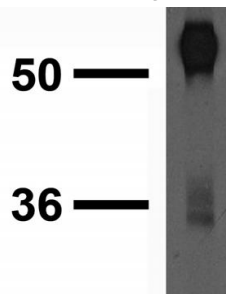
**Antigen:** Fusion protein corresponding to aa 203-323 (cytoplasmic C-terminus) of rat TARP $\gamma$ 2 (accession no. Q71RJ2).  
**Host Species:** Mouse  
**Antibody Class:** IgG2a

### SPECIFICITY

This antibody recognizes mouse and rat TARP $\gamma$ 2, TARP $\gamma$ 4, and TARP $\gamma$ 8. It does not cross-react with TARP $\gamma$ 3

### APPLICATIONS

*Immunoblotting:* use at 1ug/ml. Predicted molecular weight is 35-55kDa.



*Positive control:* Rat brain lysate. These are recommended concentrations. User should determine optimal concentrations for their application.

### DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

### STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid repeated freezing and thawing.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*