

## Anti-Piccolo Polyclonal Antibody

### **ORDERING INFORMATION**

**Catalog No.:** 56496

**Size:** 100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

### **BACKGROUND**

Piccolo is a novel component of the presynaptic cytoskeletal matrix (PCM) assembled at the active zone of neurotransmitter release. Piccolo is a multidomain zinc finger protein structurally related to Bassoon, another PCM protein. Both proteins share components of glutamatergic and GABAergic CNS synapses. Piccolo zinc fingers interact with the dual prenylated rab3A and VAMP2/Synaptobrevin II receptor PRA1. Piccolo is involved in endo- and exocytosis of synaptic vesicles and has been shown to interfere with clathrin-mediated endocytosis by binding to the F-actin and dynamin binding protein Abp1.

### **SPECIFICATION SUMMARY**

**Antigen:** Full-length human protein (accession no. BC001304.1)

**Host Species:** Rabbit

**Antibody Class:** Polyclonal

### **SPECIFICITY**

This antibody recognizes human, mouse, and rat Piccolo isoforms (other species not tested). It does not cross-react with Bassoon.

### **APPLICATIONS**

*Immunoblotting:* use at 10ug/ml. A band of ~550kDa is detected.

*ELISA:* use at 1-10ug/ml with Piccolo on the solid phase.

*Positive control:* Rat brain tissue lysate  
These are recommended concentrations; enduser should determine optimal concentrations for their applications.

### **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 freeze-thaw cycles.

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