

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-Piccolo Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56484 (clone 6H9-B6)
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 bind protein Abp1.

SPECIFICATION SUMMARY

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

Host Species: Mouse

Antibody Class: IgG2b

SPECIFICITY

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

APPLICATIONS

Immunoblotting: use at 1-10ug/ml. A band of ~550kDa is detected.

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

These are recommended concentrations. User should determine optimal concentrations for their application.

Positive control: Rat brain lysate.

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.