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Anti-Piccolo Antibody

Rabbit Anti-Human Piccolo Polyclonal
Catalog No. SPC-197



Discovery through partnership | Excellence through quality

Overview

Product Name

Piccolo Antibody

Description

Rabbit Anti-Human Piccolo Polyclonal

Species Reactivity

Human, Mouse, Rat

Applications

WB, IHC

Antibody Dilution

WB (1:1000), IHC (1:400); optimal dilutions for assays should be determined by the user.

Host Species

Rabbit

Immunogen Species

Human

Immunogen

Full length protein, BC001304.1

Concentration

1 mg/ml

Conjugates

Alkaline Phosphatase, APC, ATTO 390, ATTO 488, ATTO 565, ATTO 594, ATTO 633, ATTO 655, ATTO 680, ATTO 700, Biotin, FITC, HRP, PE/ATTO 594, PerCP, RPE, Streptavidin, Unconjugated

Properties

Storage Buffer

PBS pH 7.4, 50% glycerol, 0.09% sodium azide

Storage Temperature

-20°C

Shipping Temperature

Blue Ice or 4°C

Purification

Protein A purified

Clonality

Polyclonal

Specificity

Detects ~550kDa. No cross-reactivity to Bassoon.

Cite This Product

Rabbit Anti-Human Piccolo Polyclonal (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SPC-197)

Certificate Of Analysis

1 µg/ml of SPC-197 was sufficient for detection of Piccolo in 10 µg of rat brain tissue lysate by colorimetric immunoblot analysis using goat ant rabbit IgG:HRP as the secondary antibody.

Biological Description

Alternative Names

ACZ Antibody, Aczonin Antibody, Brain-derived HLMN protein Antibody, DKFZp779G1236 Antibody, KIAA0559 Antibody, Multidomain presynaptic cytomatrix protein Antibody, PCLO Antibody, PCLO_HUMAN Antibody, Piccolo (presynaptic cytomatrix protein) Antibody, Piccolo mouse homolog of Pico Antibody, Presynaptic cytomatrix protein Antibody, Protein piccolo Antibody

Research Areas

Cell Structure, Neuroscience, Pre-Synaptic Markers

Cellular Localization

Cell Junction, Synapse

Accession Number

NP_055325.2

Gene ID

27445

Swiss Prot

Q9Y6VO

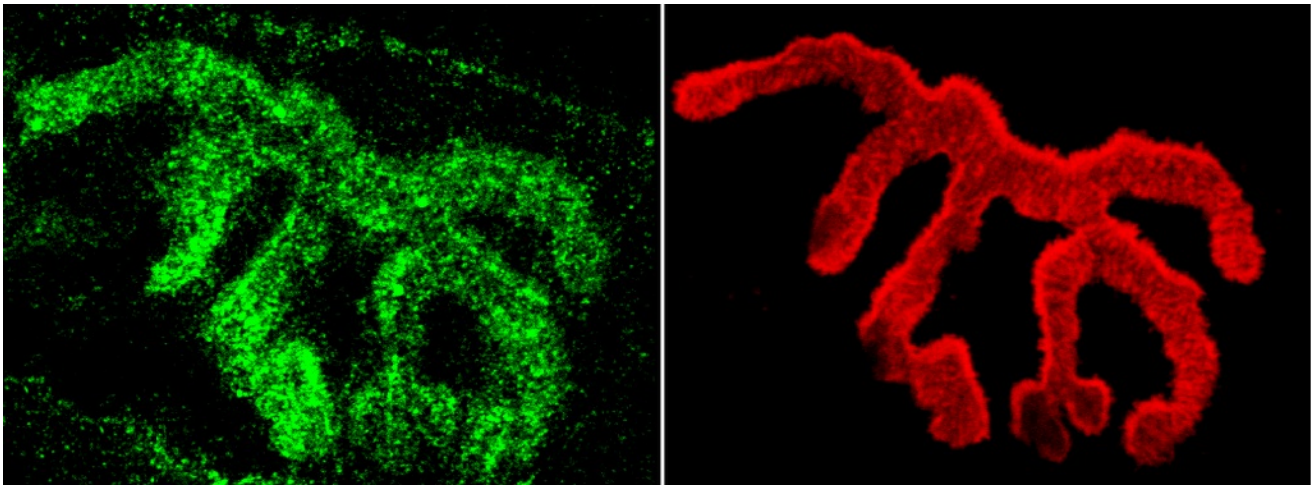
Scientific Background

Piccolo, also referred to as Aczonin, is a large protein which consists of an N-terminal Zn²⁺ finger, several piccolo-bassoon homology domains and C-terminal PDZ and C2 domains (1, 2). In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matrix assembled at active zones) (3). Piccolo is a scaffolding protein for proteins involved in endo- and exocytosis of synaptic vesicles. Piccolo has also been shown to interfere with clathrin mediated endocytosis by binding to the F-actin and dynamin binding protein Abp1 (2).

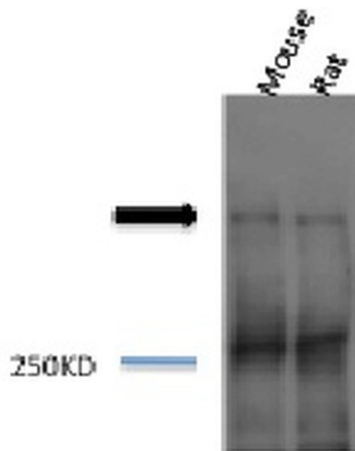
References

1. Gerber S.H., Garcia J., Rizo J., Sudhof T.C. (2001) EMBO J. 20(7): 1605-1619.
 2. Wang X., et al. (1999) J Cell Biol. 147(1): 151-162.
 3. Dresbach T., et al. (2006) J Biol Chem. 281(9):6038-6047.
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Product Images



Immunohistochemistry analysis using Rabbit Anti-Piccolo Polyclonal Antibody (SPC-197). Tissue: Muscle. Species: Mouse. Primary Antibody: Rabbit Anti-Piccolo Polyclonal Antibody (SPC-197) at 1:400. Secondary Antibody: Alexa Fluor 488 Goat Anti-Rabbit. Counterstain: BTX (red). Localization: Selective staining of the NMJ.



Western blot analysis of Mouse, Rat brain cell lysates showing detection of Piccolo protein using Rabbit Anti-Piccolo Polyclonal Antibody (SPC-197). Primary Antibody: Rabbit Anti-Piccolo Polyclonal Antibody (SPC-197) at 1:1000.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.