

Piccolo Antibody
Catalog # ASM10460**Specification**

Piccolo Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9Y6VQ
Other Accession	NP_055325.2
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Description	
Rabbit Anti-Human Piccolo Polyclonal	

Target/Specificity

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

Other 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

Immunogen

Full length protein, BC001304.1

Purification

Protein A Purified

Storage **-20°C**

Storage Buffer

PBS pH7.4, 50% glycerol, 0.09% sodium azide

Shipping Temperature

Blue Ice or 4°C

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.

Cellular Localization

Cell Junction | Synapse

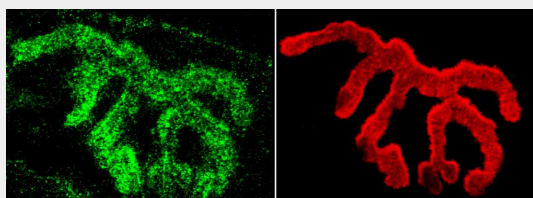
Piccolo Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

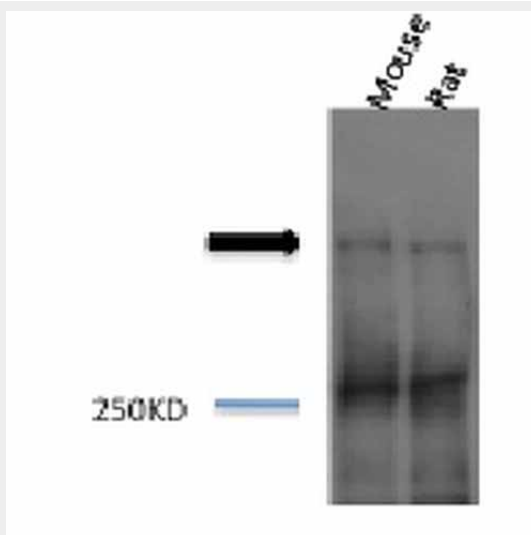
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Piccolo Antibody - Images



Immunohistochemistry analysis using Rabbit Anti-Piccolo Polyclonal Antibody (ASM10460). Tissue: Muscle. Species: Mouse. Primary Antibody: Rabbit Anti-Piccolo Polyclonal Antibody (ASM10460) 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 (ASM10460). Primary Antibody: Rabbit Anti-Piccolo Polyclonal Antibody (ASM10460) at 1:1000.

Piccolo Antibody - 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).

Piccolo Antibody - 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.