

**Piccolo Antibody**  
Catalog # ASM10460**Specification**

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**Piccolo Antibody - Product Information**

Application	<b>IHC, WB</b>
Primary Accession	<a href="#">O9Y6VO</a>
Other Accession	<a href="#">NP_055325.2</a>
Host	<b>Rabbit</b>
Reactivity	<b>Human, Mouse, Rat</b>
Clonality	<b>Polyclonal</b>

**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

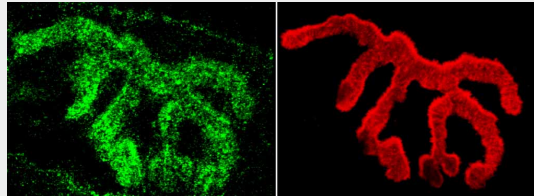
**Piccolo Antibody - Protocols**

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

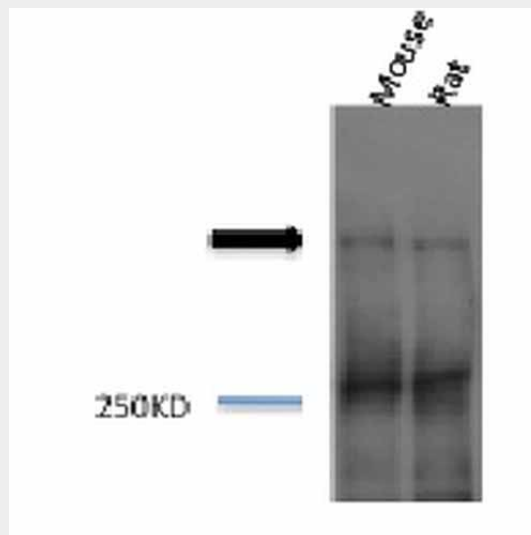
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [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 Zn<sup>2+</sup> 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.