

Datasheet for ABIN1742311
anti-Piccolo antibody (AA 4439-4776)



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2 Images

8 Publications

Overview

Quantity:	200 µL
Target:	Piccolo (PIC)
Binding Specificity:	AA 4439-4776
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant rat piccolo (aa 4439-4776).
Specificity:	Specific for piccolo.
Purification:	antiserum

Target Details

Target:	Piccolo (PIC)
Alternative Name:	Piccolo (PIC Products)
Background:	Synonyms: Aczonin

Application Details

Application Notes:	WB: 1 : 1000 up to 1 : 5000 (ECL detection)
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Application Details

IP: not tested yet
ICC: 1 : 200 up to 1 : 500

Comment: WB: Due to its large size, piccolo requires special gel-electrophoresis and Western blot protocols for visualization by immunoblotting. Excellent results can be obtained with the 4-12% TRIS-glycine gradient gels of anamed. WB: This antibody detects an additional band of ~65 kDa.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS

Handling Advice: Crude antisera are more robust than monoclonals. With anti-microbials added, they may be stored at 4 °C.
Serum does not contain active proteases, in fact, serum itself contains a powerful cocktail of protease inhibitors. Frozen storage (-20 °C), however, is preferable.

Storage: 4 °C/-20 °C

Storage Comment: Unlabeled antibodies are stable in this form without loss of quality at ambient temperatures for several weeks or even months. They can be stored at 4 °C for several years.

Publications

Product cited in: Ribic, Zhang, Schlumbohm, Mätz-Rensing, Uchanska-Ziegler, Flügge, Zhang, Walter, Fuchs: "Neuronal MHC class I molecules are involved in excitatory synaptic transmission at the hippocampal mossy fiber synapses of marmoset monkeys." in: **Cellular and molecular neurobiology**, Vol. 30, Issue 6, pp. 827-39, (2010) ([PubMed](#)).

Matz, Gilyan, Kolar, McCarvill, Krueger: "Rapid structural alterations of the active zone lead to sustained changes in neurotransmitter release." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 107, Issue 19, pp. 8836-41, (2010) ([PubMed](#)).

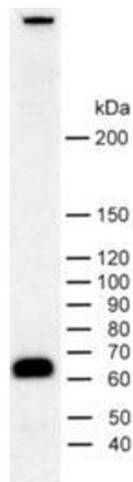
Szodorai, Kuan, Hunzelmann, Engel, Sakane, Sasaki, Takai, Kirsch, Müller, Beyreuther, Brady, Morfini, Kins: "APP anterograde transport requires Rab3A GTPase activity for assembly of the transport vesicle." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 46, pp. 14534-44, (2009) ([PubMed](#)).

Tokoro, Higa, Deguchi-Tawarada, Inoue, Kitajima, Ohtsuka: "Localization of the active zone proteins CAST, ELKS, and Piccolo at neuromuscular junctions." in: **Neuroreport**, Vol. 18, Issue 4, pp. 313-6, (2007) ([PubMed](#)).

Wahlin, Moreira, Huang, Yu, Adler: "Molecular dynamics of photoreceptor synapse formation in the developing chick retina." in: **The Journal of comparative neurology**, Vol. 506, Issue 5, pp. 822-37, (2007) ([PubMed](#)).

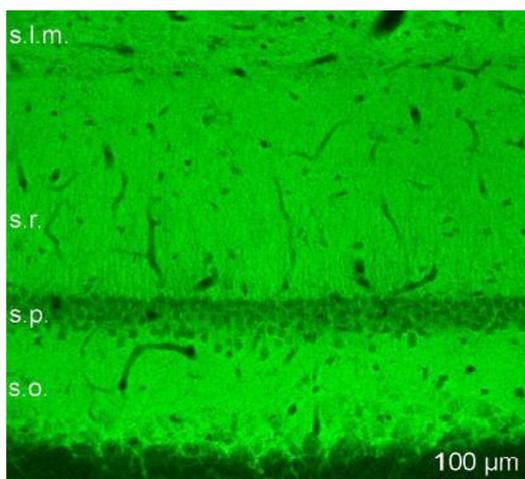
There are more publications referencing this product on: [Product page](#)

Images



Western Blotting

Image 1. dilution: 1 : 2000, sample: rat brain homogenate



Immunohistochemistry

Image 2. Indirect immunolabeling of PFA fixed rat hippocampus sections.