

Datasheet for 200-301-G30**Piccolo Antibody****Overview**

Description:	Anti-Piccolo (MOUSE) Monoclonal Antibody - 200-301-G30
Item No.:	200-301-G30
Size:	100 µg
Applications:	IF, WB
Reactivity:	Human, Rat
Host Species:	Mouse

Product Details

Background:	Piccolo, also referred to as Aczonin, is a large protein which consists of an N-terminal Zn ²⁺ finger, several piccolo-bassoon homology domains and C-terminal PDZ and C2 domains. In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matrix assembled at active zones). 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.
Synonyms:	ACZ Antibody, Aczonin Antibody, PCLO Antibody, Pico Antibody, presynaptic cytomatrix protein Antibody, protein piccolo, Brain-derived HLMN protein, Multidomain presynaptic cytomatrix protein
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	6H9-B6
Format:	IgG2b

Target Details

Gene Name:	PCLO
Reactivity:	Human, Rat
Immunogen Type:	Recombinant Protein

Immunogen:	Piccolo Antibody was produced in mice by repeated immunizations raised against a full length protein.
Purity/Specificity:	Anti-Piccolo Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Piccolo from human, mouse, rat based on 100% homology with the immunizing sequence. No cross-reactivity to Bassoon. Cross-reactivity with Piccolo from other sources has not been determined. Neuroscience research.
Relevant Links:	• NCBI - NP_055325.2 • GeneID - 27445 • UniProtKB - Q9Y6V0

Application Details

Tested Applications:	IF, WB
Application Note:	Anti-Piccolo Antibody is tested for use in WB, ICC/IF, and ELISA. Expect a band ~550kDa in specific lysate or tissue samples. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:200
IF:	1:100
WB:	1:1000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	1X PBS, pH 7.4
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

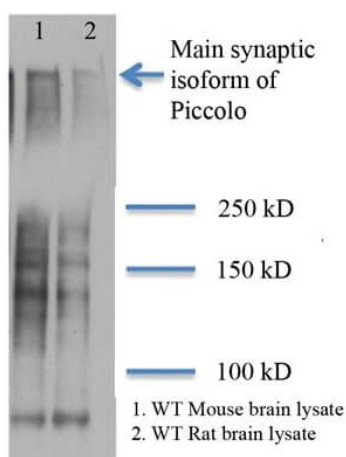
Shipping & Handling

Shipping Condition:	Wet Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of mouse anti-Piccolo antibody. Lane 1: WT Mouse Brain Lysate. Lane 2: WT Rat Brain Lysate. Primary antibody: Piccolo antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight 4°C. Predicted/Observed size: 547.5kDa/550kD.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.