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Datasheet for 600-401-G30

Piccolo Antibody

Overview

Description:	Anti-Piccolo (RABBIT) Antibody - 600-401-G30
Item No.:	600-401-G30
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

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. In general it is found together with bassoon, a related huge multi-domain protein of the CAZ (cytoskeletal matric 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 medicated endocytosis by binding to the F-actin and dynamin binding protein Abp1.
Synonyms:	Protein piccolo, Aczonin, PCLO, ACZ, KIAA0559
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PCLO
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	Piccolo Antibody was produced from whole rabbit serum prepared by repeated immunizations raised against full length protein.

Purity/Specificity:	Anti-Piccolo Antibody was purified by affinity chromatography. A BLAST analysis was used to suggest cross-reactivity with Piccolo from Human, Mouse, and Rat based on 100% homology with the immunizing sequence. No cross-reactivity to Bassoon. Cross-reactivity with Picollo from other sources has not been determined. Neuroscience research.
Relevant Links:	• NCBI - NP_055325.2 • GeneID - 27445 • UniProtKB - Q9Y6V0

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Piccolo Antibody is tested for use in WB and IHC. Expect a band approximately ~550kDa corresponding to the molecular weight of Piccolo. Multiple isoforms can be detected. 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.
IF:	1ug/ml
WB:	1:1000

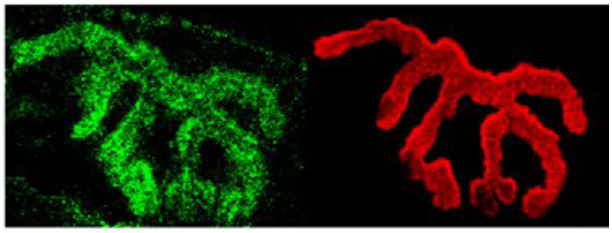
Formulation

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

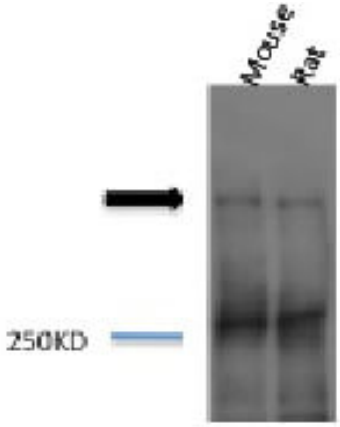
Shipping & Handling

Shipping Condition:	Wet Ice
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



Immunofluorescence Microscopy
Immunofluorescence of rabbit anti-Piccolo antibody. Tissue: Neuromuscular junction whole muscle samples from adult mouse. Antigen retrieval: not required. Primary Antibody: Piccolo at 1ug/ml for 1h at RT. Secondary antibody: Alexa 488 goat anti-rabbit secondary at 1:10,000 for 45 min at RT. Localization: Cell junction; synapse. Staining: Piccolo as green fluorescent signal.



Western Blot
Western Blot of rabbit anti-Piccolo antibody. Lane 1: Mouse Brain Lysate. Lane 2: Rat Brain Lysate. Primary antibody: Piccolo antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-rabbit IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight 4°C. Predicted/Observed size: 553.2kDa/550kD. Other band(s): none.

Disclaimer

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