

Datasheet for ABIN6657442
anti-PCLO antibody



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	PCLO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PCLO antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Fluorescence Microscopy (FM)

Product Details

Purpose:	Piccolo Antibody
Immunogen:	Piccolo Antibody was produced in mice by repeated immunizations raised against a full length protein.
Clone:	6H9-B6
Isotype:	IgG2b kappa
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Piccolo from human, mouse, rat based on 100 % homology with the immunizing sequence.
Purification:	Anti-Piccolo Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	PCLO
Alternative Name:	PCLO (PCLO Products)
Background:	<p>Synonyms: ACZ Antibody, Aczonin Antibody, PCLO Antibody, Pico Antibody, presynaptic cytomatrix protein Antibody, protein piccolo, Brain-derived HLMN protein, Multidomain presynaptic cytomatrix protein</p> <p>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 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.</p> <p>Gene Name: Pclo</p>
Gene ID:	27445
NCBI Accession:	NP_055325
UniProt:	Q9Y6V0
Pathways:	Hormone Transport, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	<p>ELISA_Dilution: 1:200</p> <p>IF_Microscopy_Dilution: 1:100</p> <p>Western_Blot_Dilution: 1:1000</p>
Comment:	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.
Restrictions:	For Research Use only

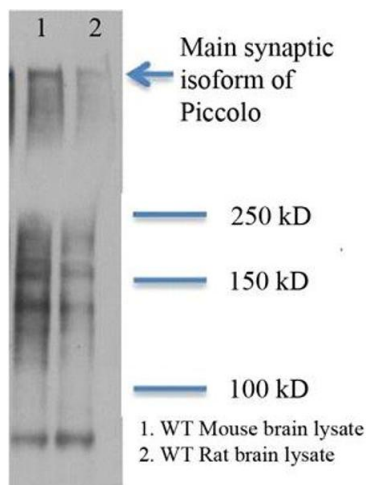
Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 50 % (v/v) Glycerol</p>

Handling

Storage:	4 °C, -20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

Image 1. Piccolo 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% Biotin overnight 4°C. Predicted/Observed size: 547.5kDa/550kD.