

Datasheet for ABIN6657340  
**anti-PCLO antibody**

2 Images



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	PCLO
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCLO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

## Product Details

Purpose:	Piccolo Antibody
Immunogen:	Piccolo Antibody was produced from whole rabbit serum prepared by repeated immunizations raised against full length protein.
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with Piccolo from Human, Mouse, and Rat based on 100 % homology with the immunizing sequence.
Purification:	Anti-Piccolo Antibody was purified by affinity chromatography.
Sterility:	Sterile filtered

## Target Details

Target:	PCLO
---------	------

## Target Details

---

Alternative Name: [PCLO \(PCLO Products\)](#)

---

Background: Synonyms: Protein piccolo, Aczonin, PCLO, ACZ, KIAA0559  
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. 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.  
Gene Name: PCLO

---

Gene ID: 27445

---

NCBI Accession: [NP\\_055325](#)

---

UniProt: [Q9Y6V0](#)

---

Pathways: [Hormone Transport, Synaptic Vesicle Exocytosis](#)

---

## Application Details

---

Application Notes: IF\_Microscopy\_Dilution: 1 µg/mL  
Western\_Blot\_Dilution: 1:1000

---

Comment: 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.

---

Restrictions: For Research Use only

---

## Handling

---

Format: Liquid

---

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2  
Stabilizer: 50 % (v/v) Glycerol  
Preservative: 0.1 % (w/v) Sodium Azide

---

Preservative: Sodium azide

---

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

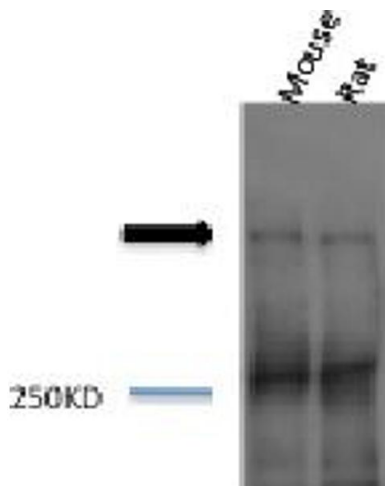
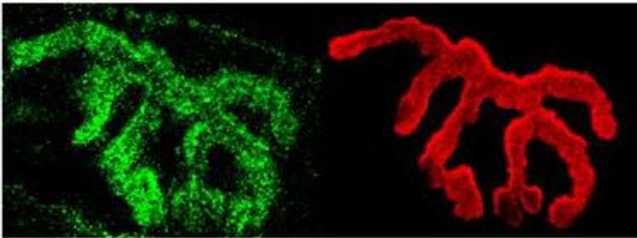
## Handling

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



### Immunofluorescence

**Image 1.** Piccolo Immunofluorescence. 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 Blotting

**Image 2.** Piccolo 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% Biotin overnight 4°C. Predicted/Observed size: 553.2kDa/550kDa. Other band(s): none.