

Datasheet for ABIN2749163
anti-PCLO antibody (PE)

2 Images

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	PCLO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PCLO antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Human recombinant PCLO protein
Clone:	PCLO-01
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody PCLO-01 recognizes PCLO (Piccolo), a more than 400 kDa multidomain protein expressed mainly in the presynaptic cytoplasmic matrix of the neurons.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

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

Target Details

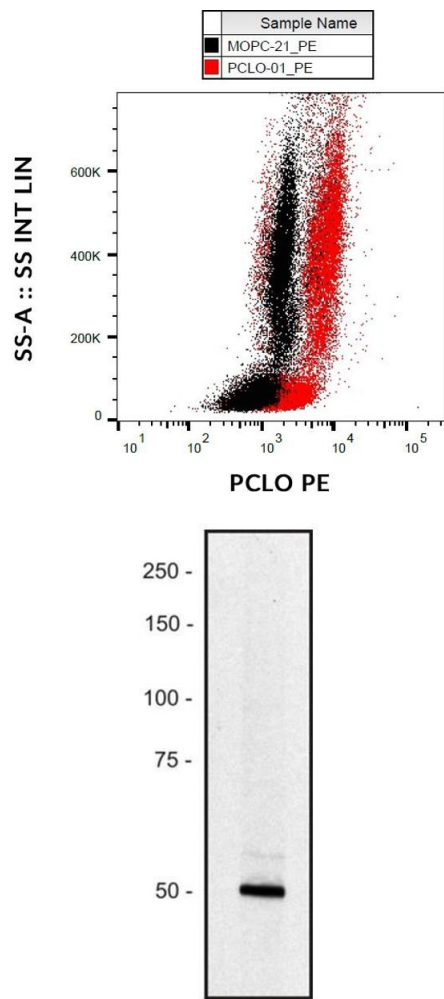
Alternative Name:	PCLO (PCLO Products)
Background:	Piccolo presynaptic cytomatrix protein,PCLO (piccolo, also known as aczonin) is a large (more than 400 kDa) multidomain protein of the presynaptic cytomatrix in neurons, that is present in all vertebrate synapses, but is absent from invertebrates. It contains zinc finger and coiled-coil sequences, as well as N-terminal glutamine-rich sequence, and C-terminal PDZ domain followed by two C2 domains (C2A and C2B). In vitro binding and transfection experiments suggested that PCLO binds to multiple proteins including profilin and L-type calcium channels. It is involved in neurotransmitter release and insulin secretion.,ACZ, PCH3, piccolo, aczonin
Gene ID:	27445
UniProt:	Q9Y6V0
Pathways:	Hormone Transport, Synaptic Vesicle Exocytosis

Application Details

Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL. Intracellular staining.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM 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.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry analysis (intracellular staining) of PCLO in human peripheral blood using mouse monoclonal (PCLO-01) PE.

Western Blotting

Image 2. Western blot of human REH erythroid cell line