Datasheet for ABIN2749094

anti-PCLO antibody

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Overview

Quantity:	0.1 mg
Target:	PCLO
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PCLO antibody is un-conjugated
Application:	Western Blotting (WB), 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 cytoplasmatic matrix of the neurons.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	PCLO

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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. Western blotting: A small splice variant of PCLO can be analyzed by Western blotting, however, the whole protein is too large (over 400 kDa) to be successfully processed by SDS PAAGE.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	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. Do not freeze.

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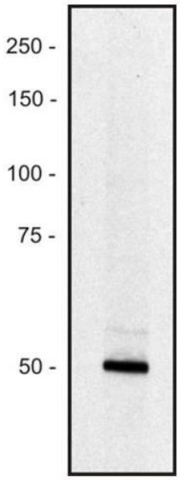

Western Blotting

Image 1. Western blot of human REH erythroid cell line

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